

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002942.D
 Acq On : 19 Jun 2020 17:00
 Operator : SY/MD
 Sample : VY0619SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:06:41 PM

Quant Time: Jun 20 04:48:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 15:04:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	375729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	556795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	510217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	272619	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	142859	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	7.72	113	147504	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	10.18	98	585465	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.48	95	200337	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	39574	16.521	ug/l	98
3) Chloromethane	2.12	50	45949	16.895	ug/l	93
4) Vinyl Chloride	2.26	62	51579	17.663	ug/l	97
5) Bromomethane	2.65	94	39250	18.215	ug/l	97
6) Chloroethane	2.80	64	34225	18.121	ug/l	94
7) Trichlorofluoromethane	3.13	101	98282	18.743	ug/l	99
8) Diethyl Ether	3.54	74	36244	19.156	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	60054	19.016	ug/l	99
10) Methyl Iodide	4.10	142	75313	17.225	ug/l	99
11) Tert butyl alcohol	4.97	59	34237	91.875	ug/l	99
12) 1,1-Dichloroethene	3.88	96	58922	18.815	ug/l	100
13) Acrolein	3.74	56	28528	91.502	ug/l	98
14) Allyl chloride	4.49	41	85087	18.837	ug/l	99
15) Acrylonitrile	5.18	53	89562	98.700	ug/l	100
16) Acetone	3.96	43	71107	92.508	ug/l	97
17) Carbon Disulfide	4.20	76	154795	16.719	ug/l	99
18) Methyl Acetate	4.48	43	43242	20.079	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	165816	19.440	ug/l	99
20) Methylene Chloride	4.72	84	78744	16.715	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	63990	18.404	ug/l	96
22) Diisopropyl ether	6.13	45	181014	19.629	ug/l	98
23) Vinyl Acetate	6.07	43	580922	97.386	ug/l	98
24) 1,1-Dichloroethane	6.03	63	105480	19.307	ug/l	99
25) 2-Butanone	7.00	43	111001	96.370	ug/l	98
26) 2,2-Dichloropropane	6.99	77	97065	19.023	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	74062	19.058	ug/l	99
28) Bromochloromethane	7.34	49	45033	19.715	ug/l	96
29) Tetrahydrofuran	7.35	42	72154	96.979	ug/l	99
30) Chloroform	7.52	83	110921	19.385	ug/l	98
31) Cyclohexane	7.79	56	96493	18.107	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	101874	19.322	ug/l	99
36) 1,1-Dichloropropene	7.92	75	85082	18.815	ug/l	100
37) Ethyl Acetate	7.08	43	49075	19.545	ug/l	98
38) Carbon Tetrachloride	7.91	117	94114	18.885	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002942.D
 Acq On : 19 Jun 2020 17:00
 Operator : SY/MD
 Sample : VY0619SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0619SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:06:41 PM

Quant Time: Jun 20 04:48:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 15:04:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	107292	17.999	ug/l	99
40) Benzene	8.16	78	251373	18.672	ug/l	100
41) Methacrylonitrile	7.32	41	24154m	19.214	ug/l	
42) 1,2-Dichloroethane	8.24	62	70767	18.939	ug/l	99
43) Isopropyl Acetate	8.28	43	90713	19.401	ug/l	99
44) Trichloroethene	8.94	130	77949	18.692	ug/l	95
45) 1,2-Dichloropropane	9.22	63	62804	19.399	ug/l	97
46) Dibromomethane	9.31	93	36511	18.888	ug/l	99
47) Bromodichloromethane	9.50	83	87461	19.379	ug/l	99
48) Methyl methacrylate	9.30	41	40105	19.116	ug/l	99
49) 1,4-Dioxane	9.30	88	10946	386.350	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	239880	96.813	ug/l	100
52) Toluene	10.24	92	164397	18.868	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	95144	19.397	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	107097	19.289	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	56711	19.672	ug/l	98
56) Ethyl methacrylate	10.51	69	74804	19.250	ug/l	100
57) 1,3-Dichloropropane	10.79	76	93416	19.432	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	181384	93.715	ug/l	99
59) 2-Hexanone	10.83	43	170069	97.629	ug/l	100
60) Dibromochloromethane	10.99	129	70724	19.237	ug/l	99
61) 1,2-Dibromoethane	11.09	107	55333	19.347	ug/l	97
64) Tetrachloroethene	10.72	164	80584	18.954	ug/l	97
65) Chlorobenzene	11.52	112	188186	19.485	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	72048	19.736	ug/l	99
67) Ethyl Benzene	11.59	91	323536	19.421	ug/l	100
68) m/p-Xylenes	11.70	106	251698	38.881	ug/l	99
69) o-Xylene	12.03	106	118948	19.493	ug/l	98
70) Styrene	12.04	104	206668	19.602	ug/l	99
71) Bromoform	12.20	173	48082	19.678	ug/l #	97
73) Isopropylbenzene	12.33	105	326400	19.535	ug/l	100
74) N-amyl acetate	12.14	43	84139	19.554	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	60598	19.562	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	44953m	18.934	ug/l	
77) Bromobenzene	12.61	156	84867	19.400	ug/l	99
78) n-propylbenzene	12.67	91	379597	19.583	ug/l	100
79) 2-Chlorotoluene	12.75	91	210187	19.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	274281	19.692	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24460	19.669	ug/l	99
82) 4-Chlorotoluene	12.85	91	221619	19.410	ug/l	100
83) tert-Butylbenzene	13.07	119	244013	19.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	275436	19.652	ug/l	100
85) sec-Butylbenzene	13.25	105	336979	19.855	ug/l	99
86) p-Isopropyltoluene	13.37	119	313190	19.674	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	161719	19.613	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	163294	19.776	ug/l	99
89) n-Butylbenzene	13.69	91	285892	19.866	ug/l	100
90) Hexachloroethane	13.96	117	58104	19.595	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	147046	19.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11177	19.313	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
Data File : VY002942.D
Acq On : 19 Jun 2020 17:00
Operator : SY/MD
Sample : VY0619SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBSD01

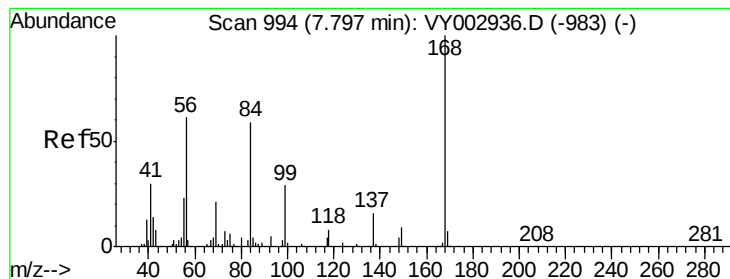
Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM

Quant Time: Jun 20 04:48:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 15:04:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	113113	20.086	ug/l	100
94) Hexachlorobutadiene	15.11	225	64472	19.863	ug/l	98
95) Naphthalene	15.23	128	219831	19.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	100679	20.038	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion:168 Resp: 375729

Ion Ratio Lower Upper

168 100

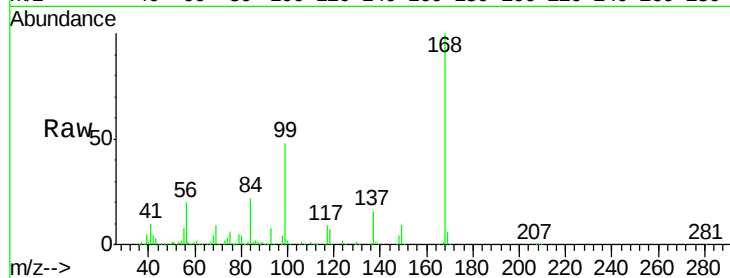
99 47.9 39.5 59.3

Manual Integrations

APPROVED

MMDadoda

6/22/2020 2:06:41 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

7.80

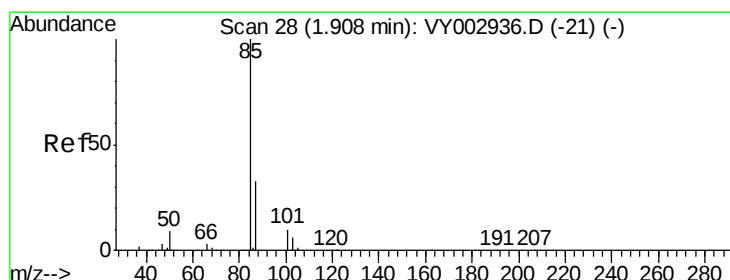
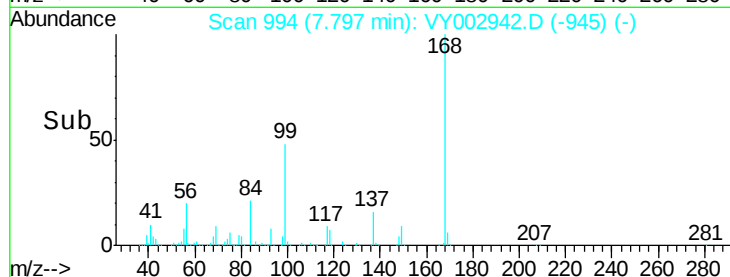
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.521 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002942.D

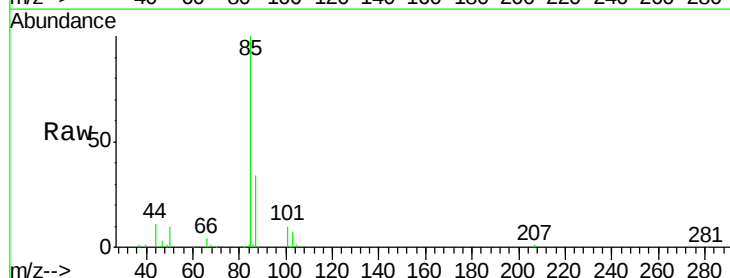
Acq: 19 Jun 2020 17:00

Tgt Ion: 85 Resp: 39574

Ion Ratio Lower Upper

85 100

87 34.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VY002936.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002936.D (-21) (-)

1.90

30000

25000

20000

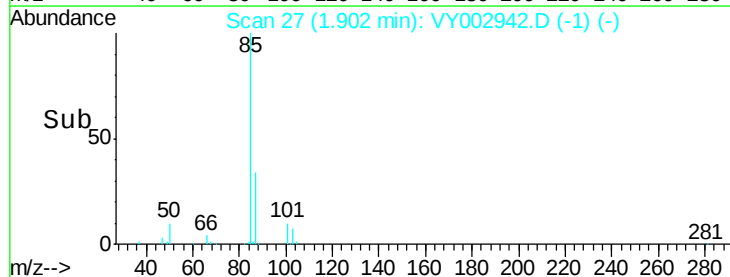
15000

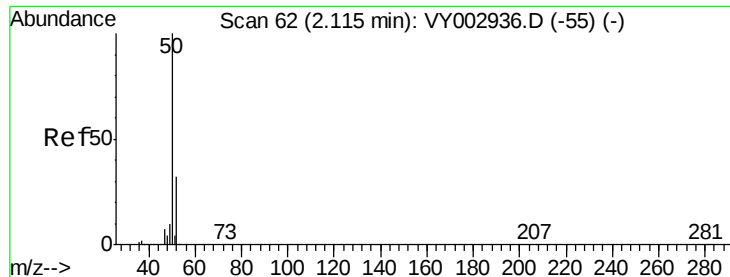
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.895 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 50 Resp: 45949

Ion Ratio Lower Upper

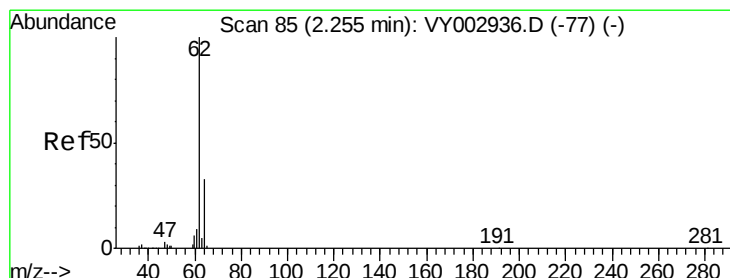
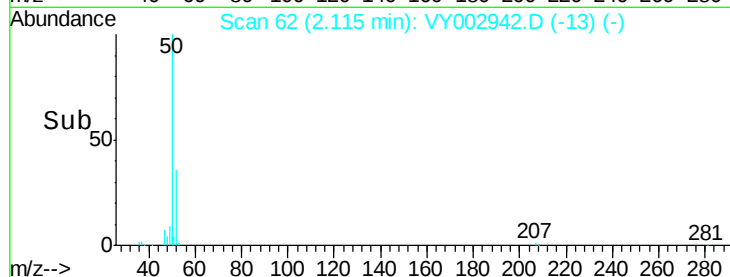
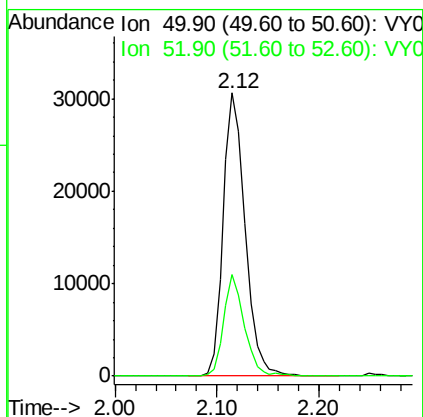
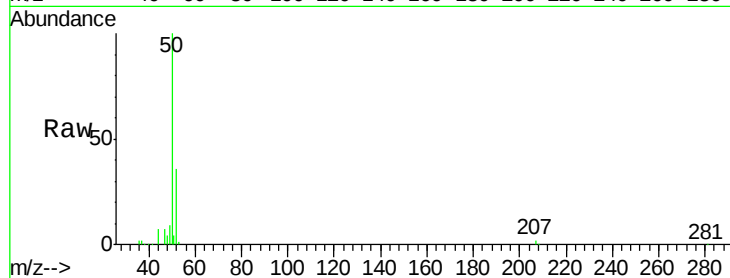
50 100

52 35.9 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

6/22/2020 2:06:41 PM



#4

Vinyl Chloride

Concen: 17.663 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY002942.D

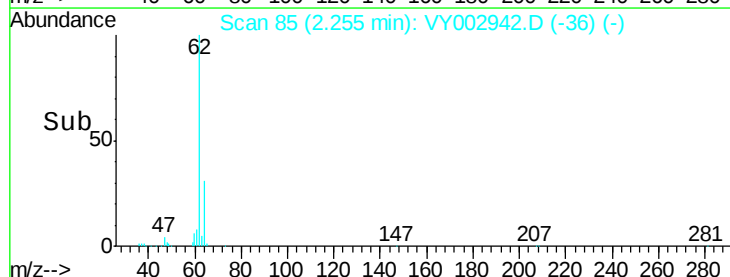
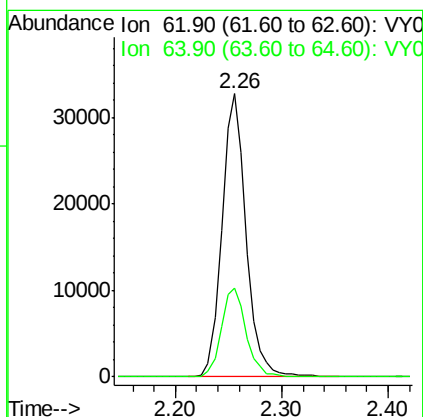
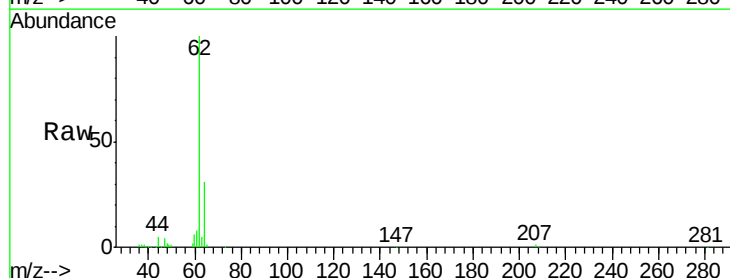
Acq: 19 Jun 2020 17:00

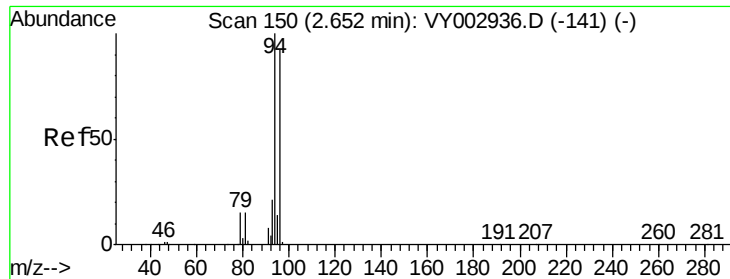
Tgt Ion: 62 Resp: 51579

Ion Ratio Lower Upper

62 100

64 31.4 26.3 39.5





#5

Bromomethane

Concen: 18.215 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 94 Resp: 39250

Ion Ratio Lower Upper

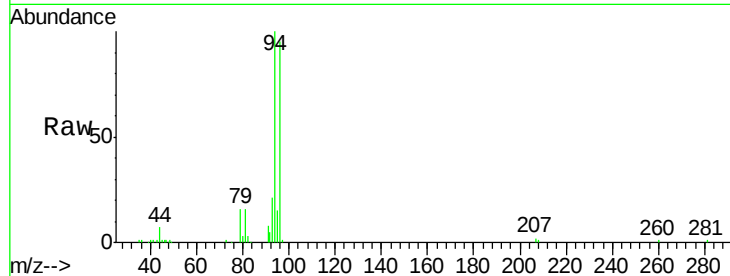
94 100

96 94.9 73.7 110.5

Manual Integrations
APPROVED

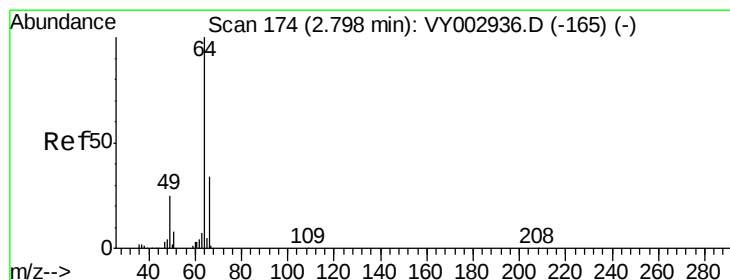
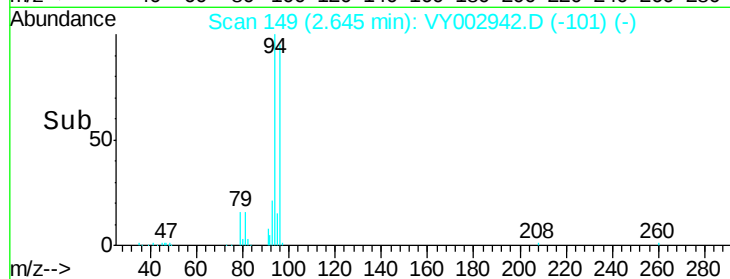
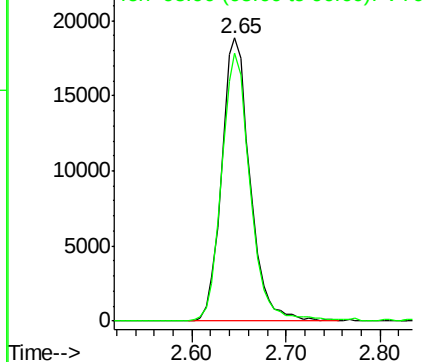
MMDadoda

6/22/2020 2:06:41 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 18.121 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY002942.D

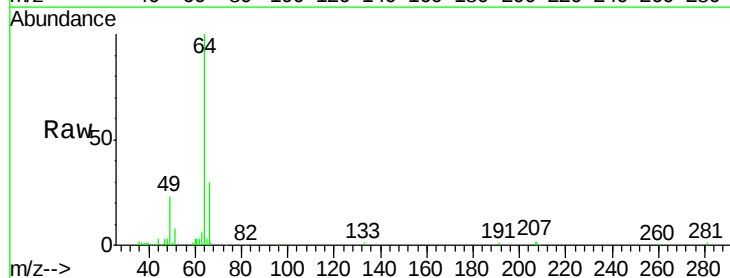
Acq: 19 Jun 2020 17:00

Tgt Ion: 64 Resp: 34225

Ion Ratio Lower Upper

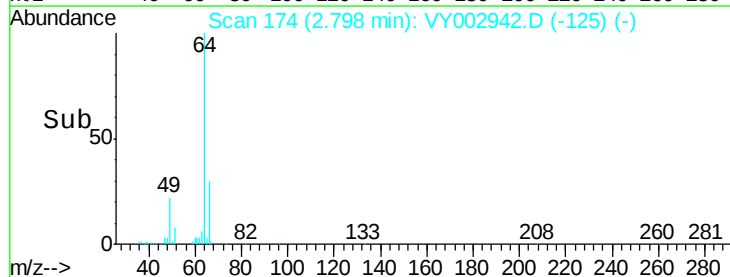
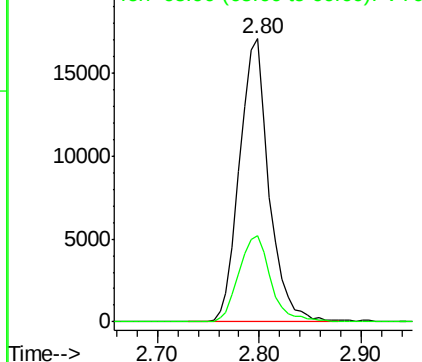
64 100

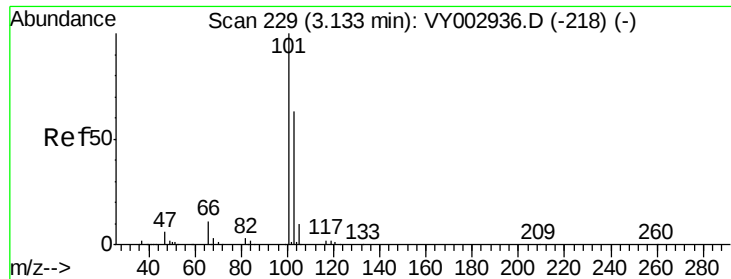
66 30.3 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

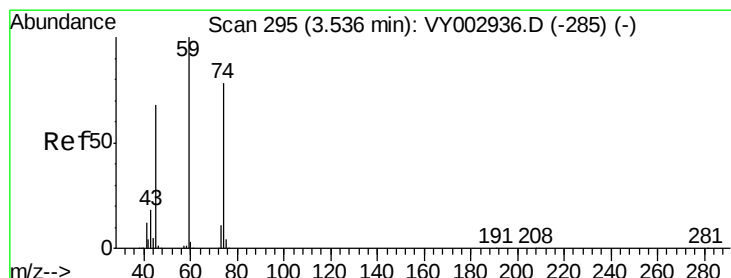
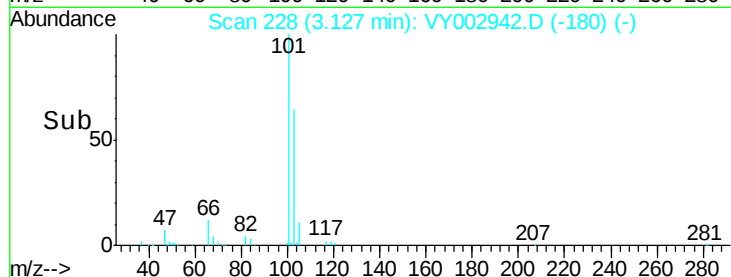
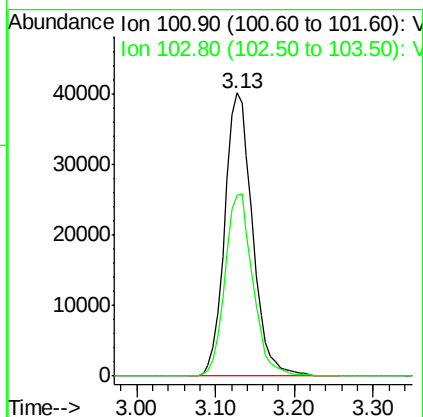
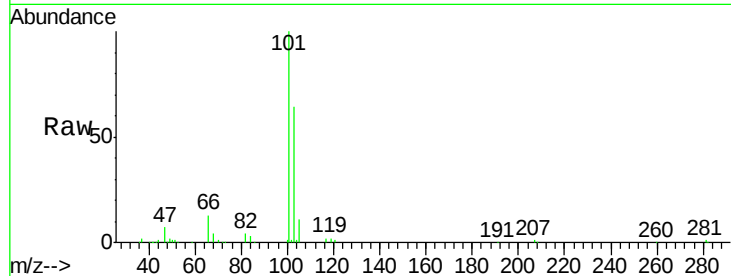
Trichlorofluoromethane
Concen: 18.743 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.01 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.6	76.0

Manual Integrations
APPROVED

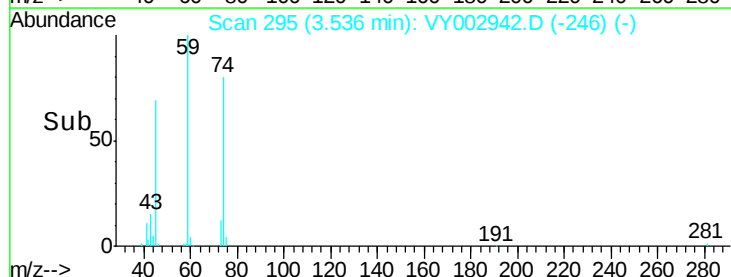
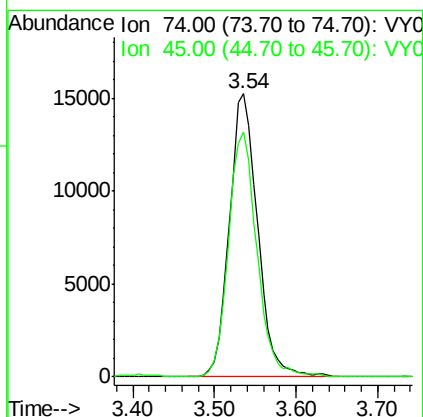
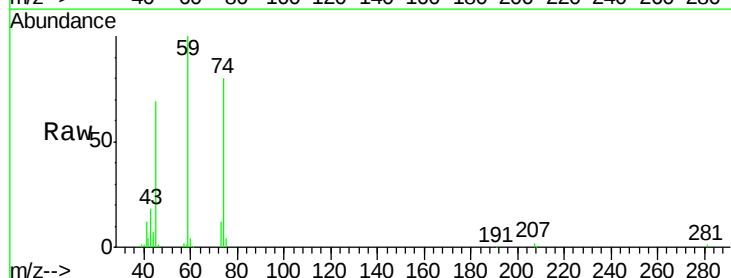
MMDadoda
6/22/2020 2:06:41 PM

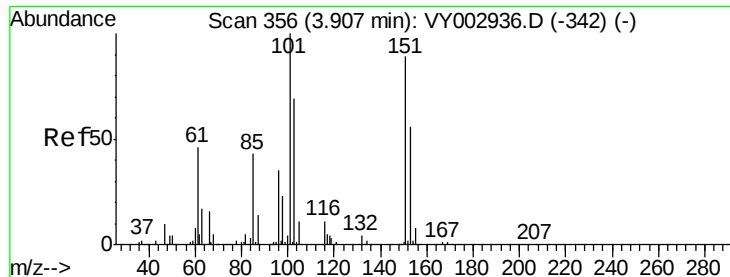


#8

Diethyl Ether
Concen: 19.156 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.4	43.7	131.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.016 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

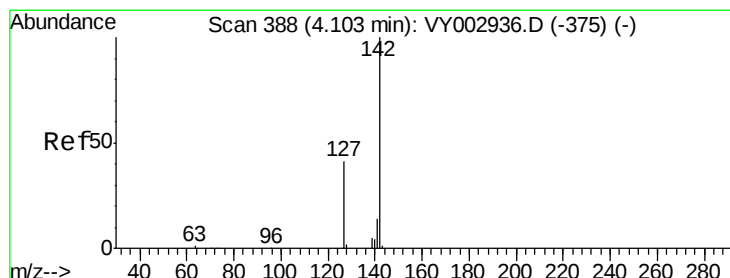
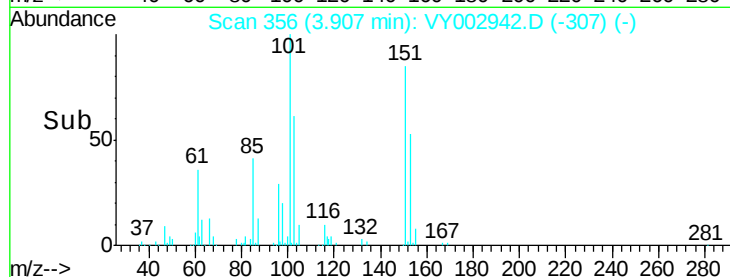
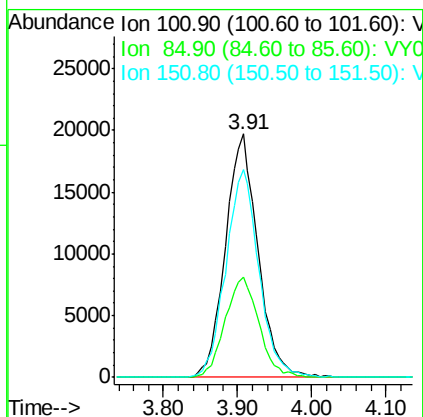
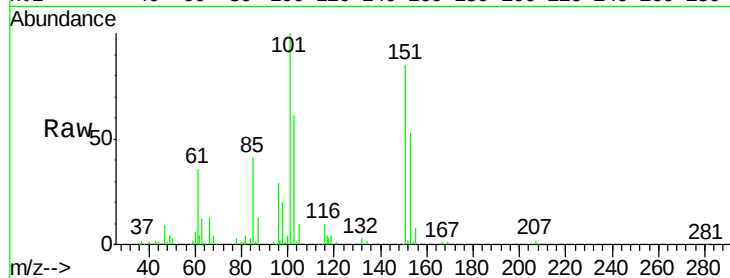
ClientSampleId :

VY0619SBS01

Tot Ion:	101	Resp:	60054
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.6	50.4
151	86.9	70.4	105.6

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#10

Methyl Iodide

Concen: 17.225 ug/l

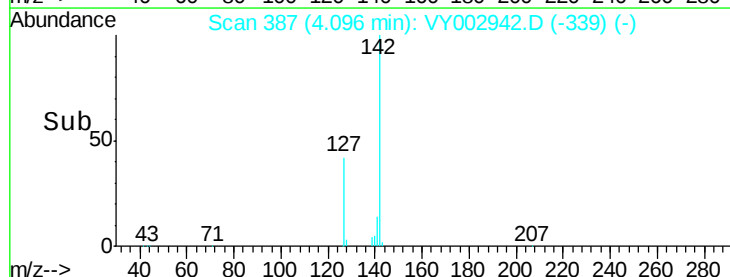
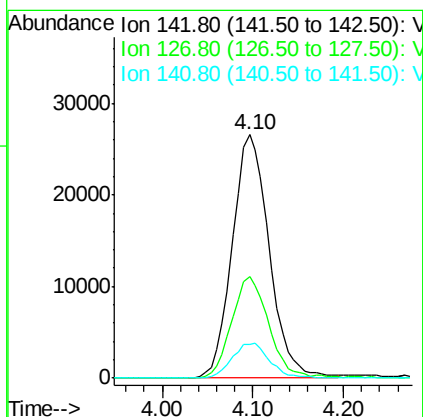
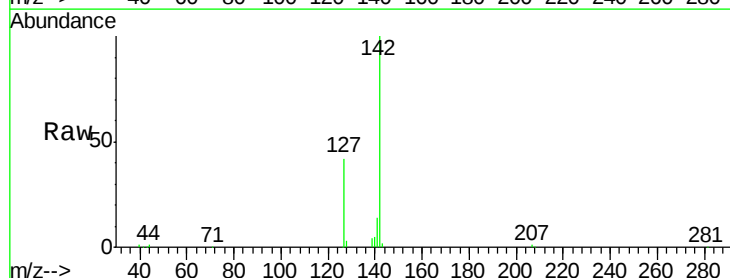
RT: 4.10 min Scan# 387

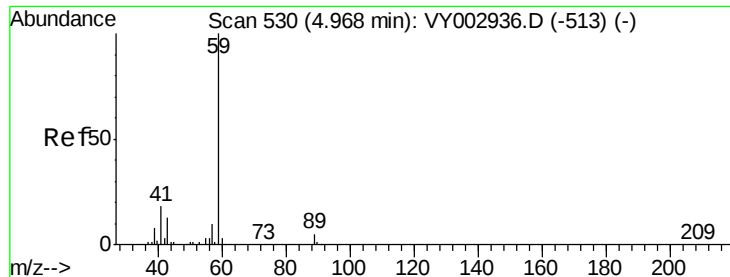
Delta R.T. -0.01 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	142	Resp:	75313
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.9	49.3
141	14.6	11.3	16.9





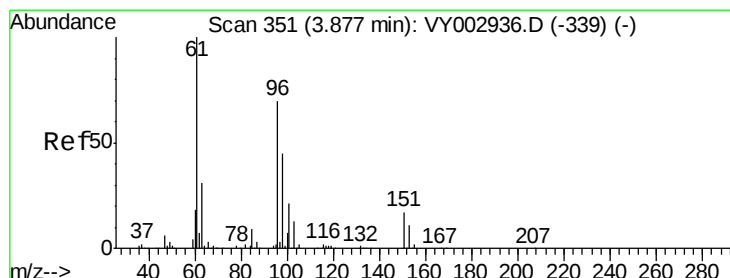
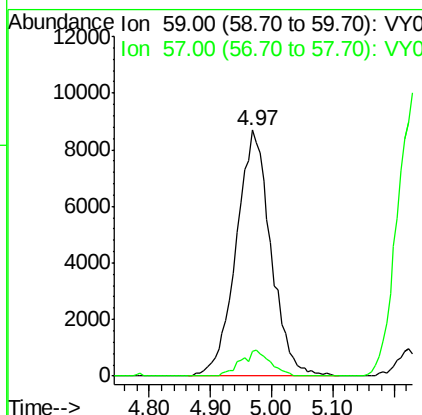
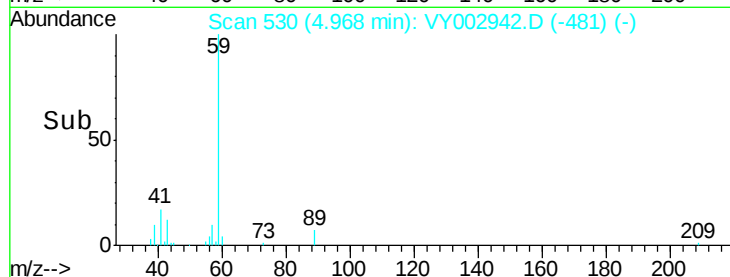
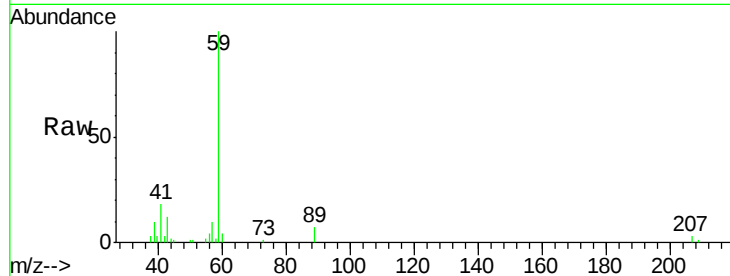
#11
Tert butyl alcohol
Concen: 91.875 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion: 59 Resp: 34237
Ion Ratio Lower Upper
59 100
57 9.0 7.4 11.2

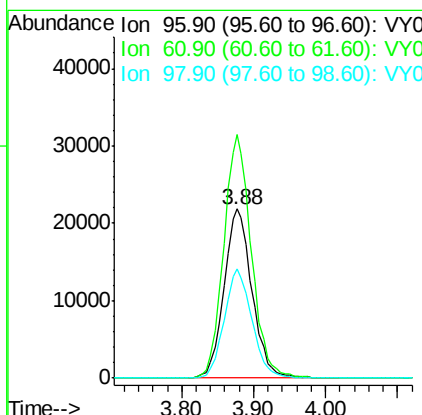
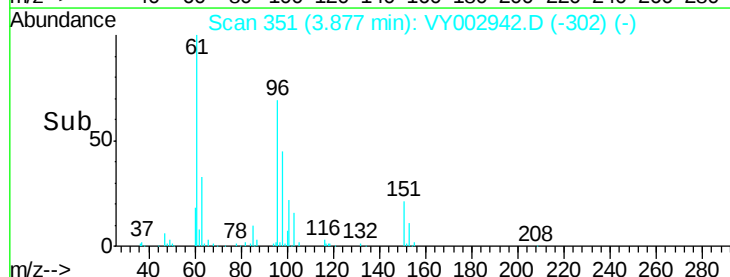
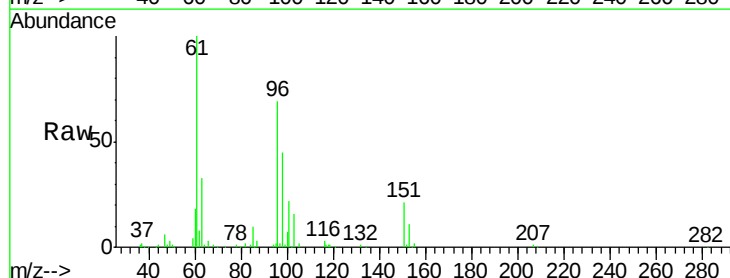
Manual Integrations
APPROVED

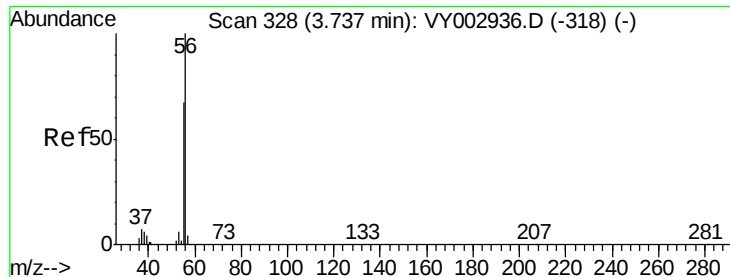
MMDadoda
6/22/2020 2:06:41 PM



#12
1,1-Dichloroethene
Concen: 18.815 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion: 96 Resp: 58922
Ion Ratio Lower Upper
96 100
61 144.0 114.6 172.0
98 64.4 51.4 77.0





#13

Acrolein

Concen: 91.502 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 56 Resp: 28528

Ion Ratio Lower Upper

56 100

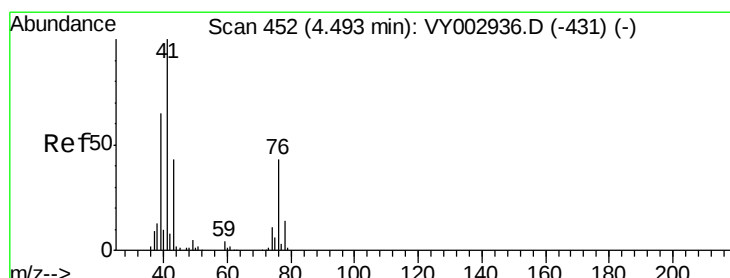
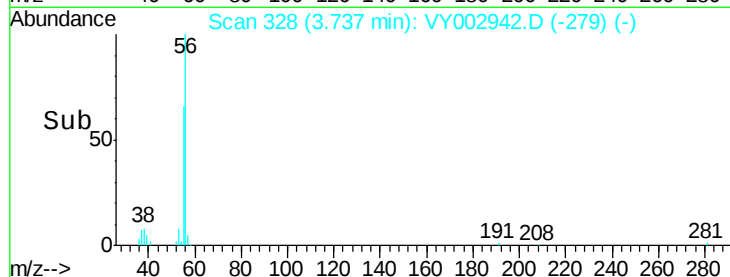
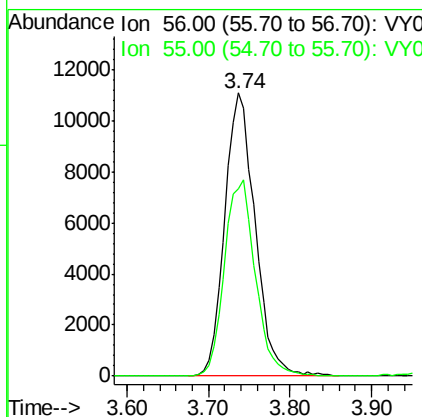
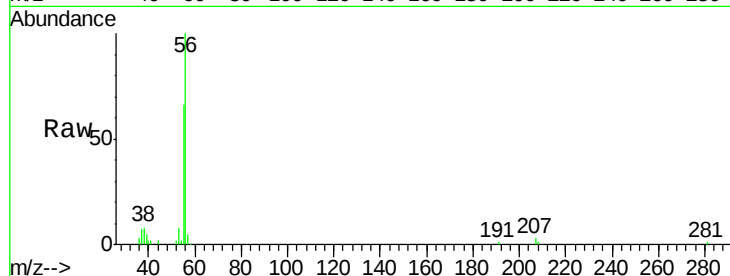
55 70.5 55.3 82.9

Manual Integrations

APPROVED

MMDadoda

6/22/2020 2:06:41 PM



#14

Allyl chloride

Concen: 18.837 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

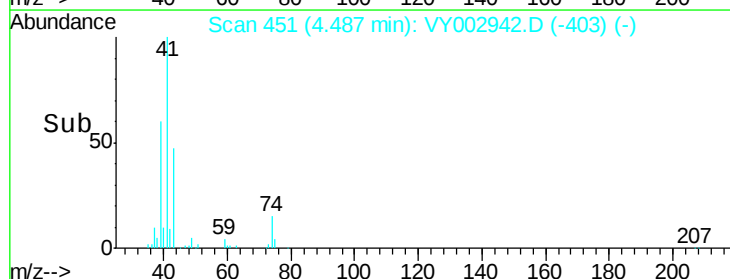
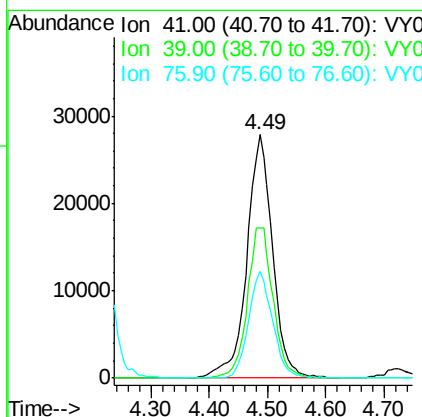
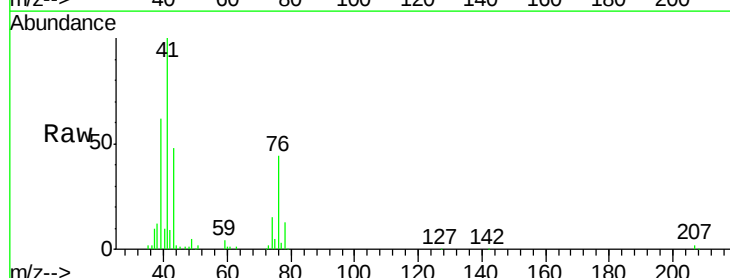
Tgt Ion: 41 Resp: 85087

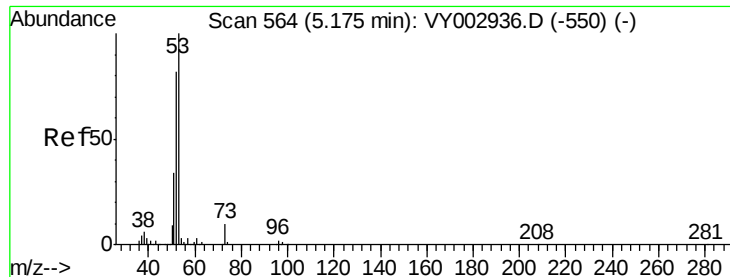
Ion Ratio Lower Upper

41 100

39 62.3 50.0 75.0

76 40.9 33.3 49.9





#15

Acrylonitrile

Concen: 98.700 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

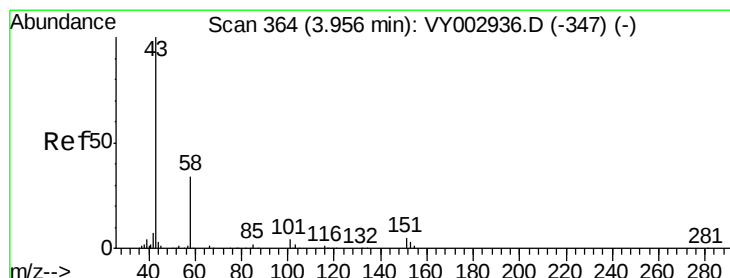
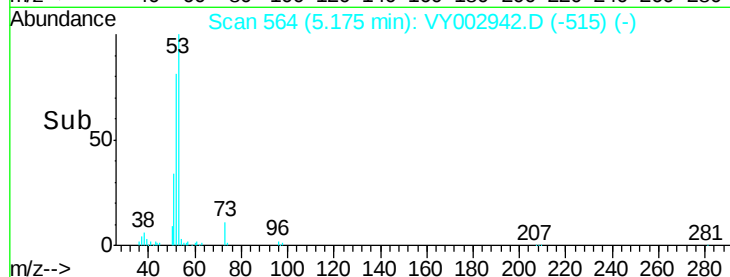
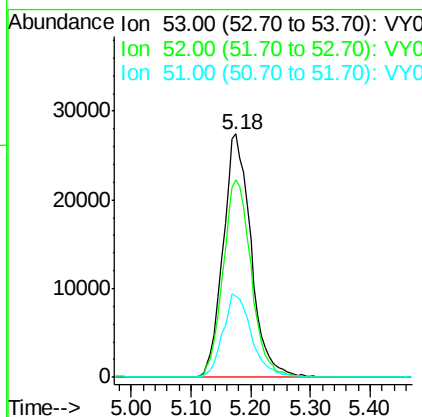
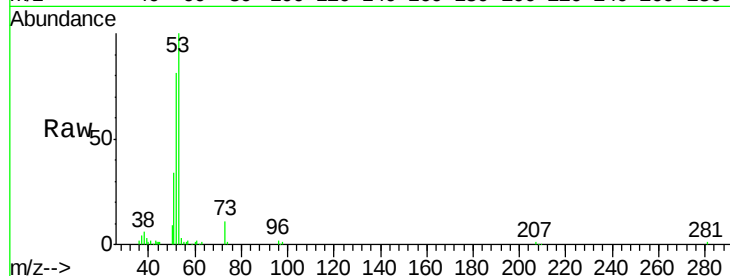
ClientSampleId :

VY0619SBS01

Tot Ion:	53	Resp:	89562
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.7	98.5
51	35.3	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#16

Acetone

Concen: 92.508 ug/l

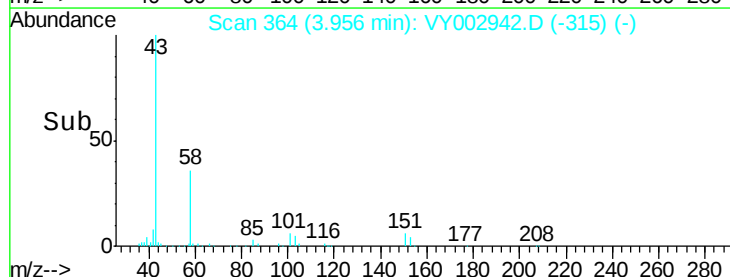
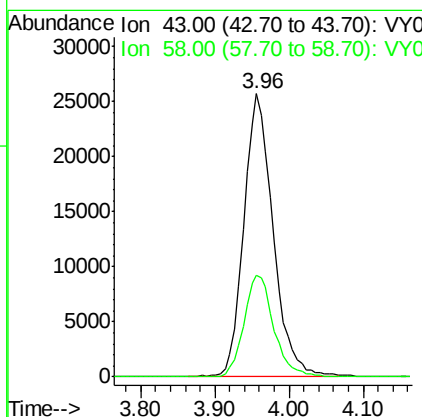
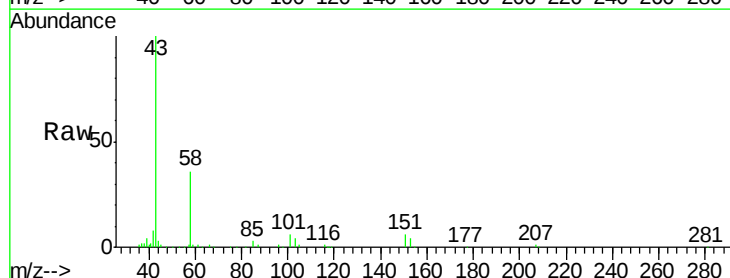
RT: 3.96 min Scan# 364

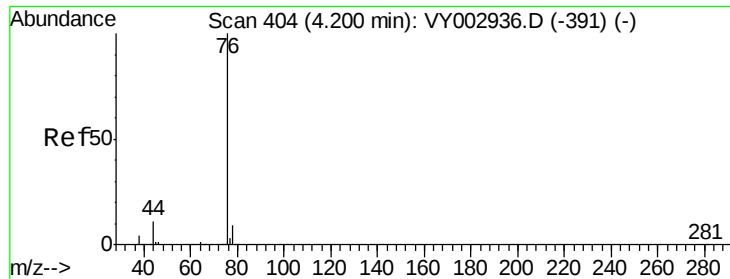
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	43	Resp:	71107
Ion Ratio	Lower	Upper	
43	100		
58	35.7	27.3	40.9





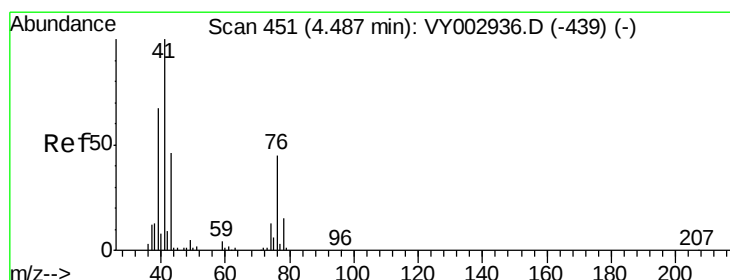
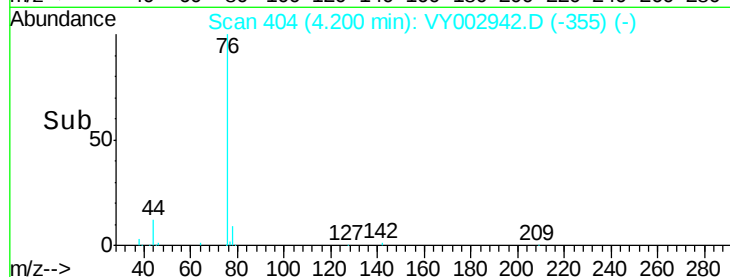
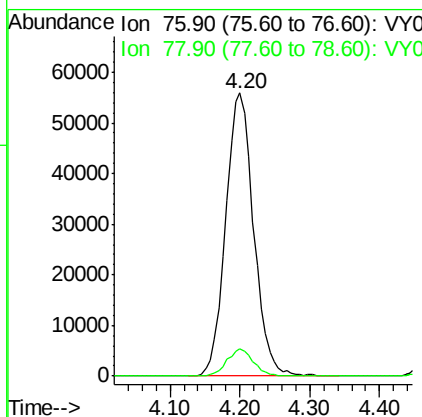
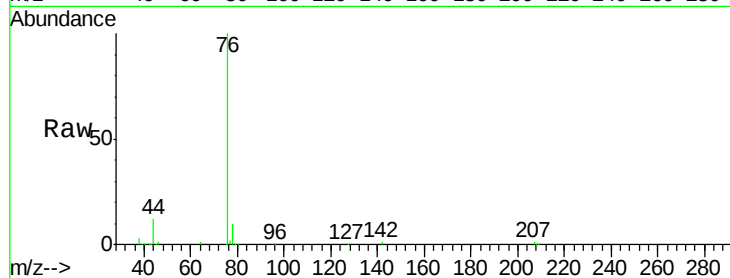
#17
Carbon Disulfide
Concen: 16.719 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

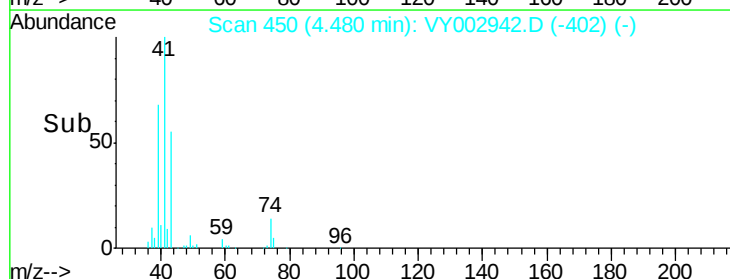
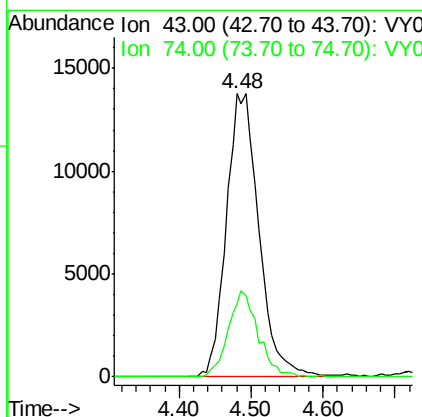
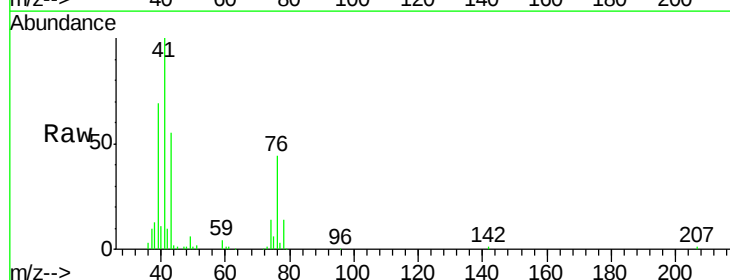
Manual Integrations
APPROVED

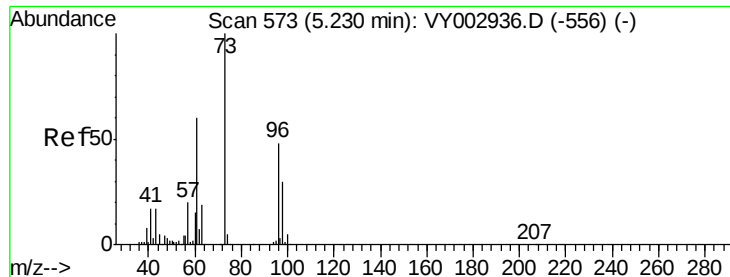
MMDadoda
6/22/2020 2:06:41 PM



#18
Methyl Acetate
Concen: 20.079 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	21.1	31.7





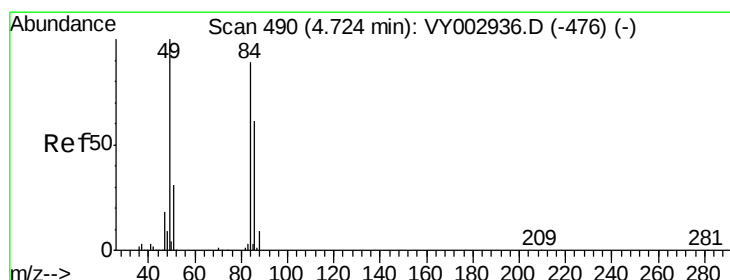
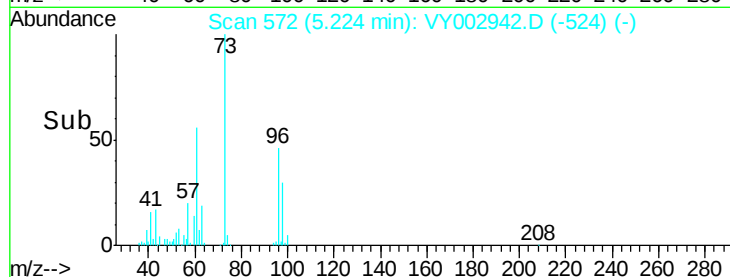
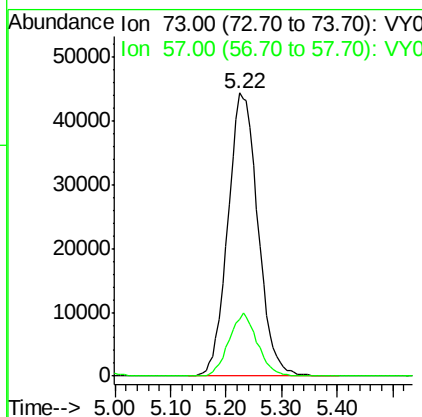
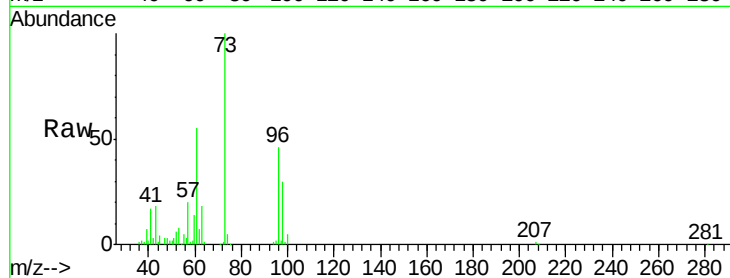
#19
Methyl tert-butyl Ether
Concen: 19.440 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.4	24.6

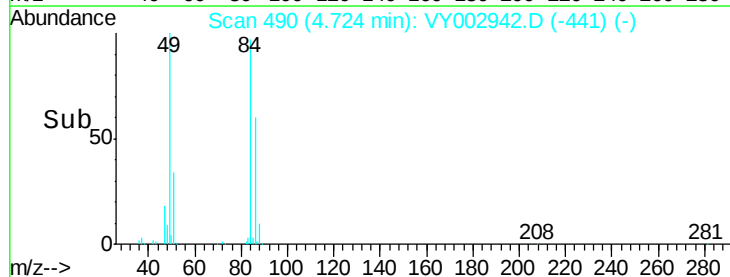
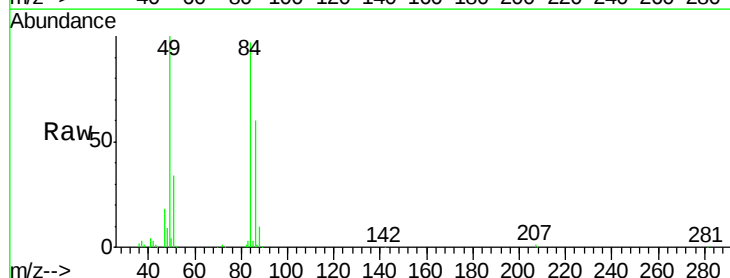
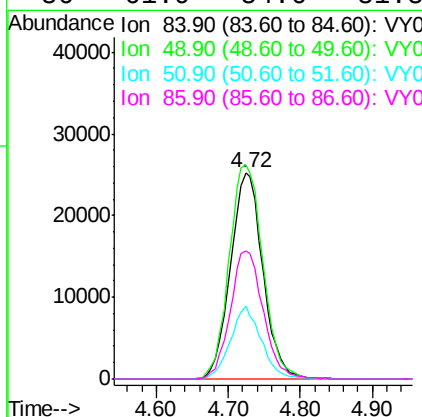
Manual Integrations
APPROVED

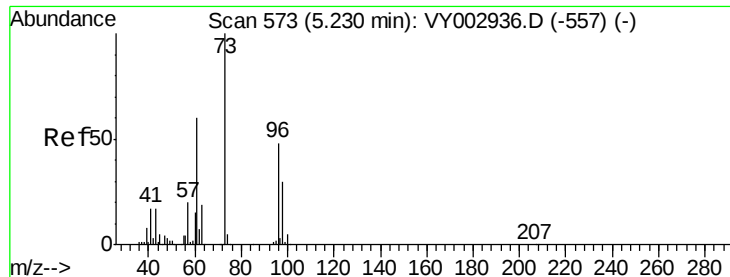
MMDadoda
6/22/2020 2:06:41 PM



#20
Methylene Chloride
Concen: 16.715 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.4	90.0	135.0
51	35.2	27.9	41.9
86	61.9	54.6	81.8





#21

trans-1,2-Dichloroethene

Concen: 18.404 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

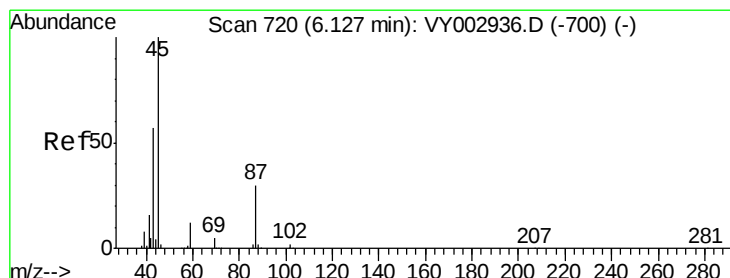
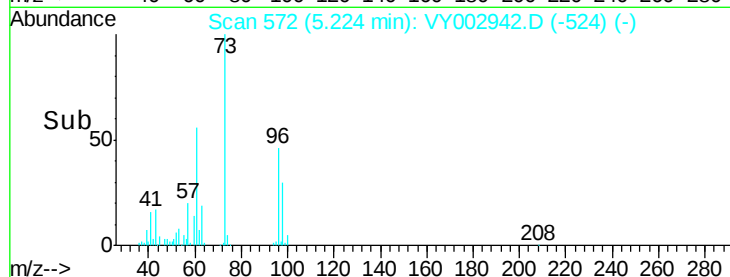
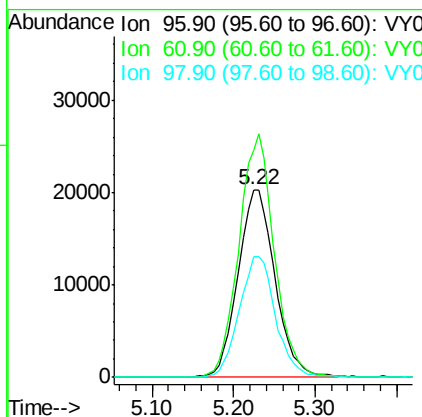
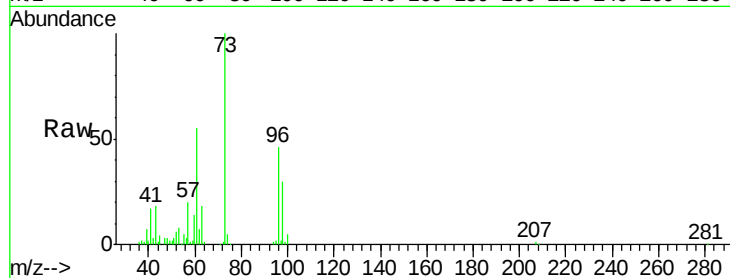
ClientSampleId :

VY0619SBS01

Tot Ion:	96	Resp:	63990
Ion	Ratio	Lower	Upper
96	100		
61	121.3	100.6	150.8
98	64.6	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#22

Diisopropyl ether

Concen: 19.629 ug/l

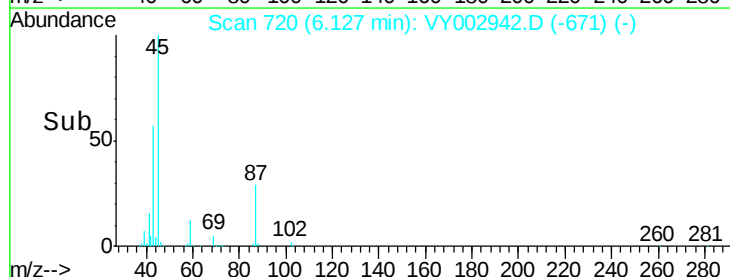
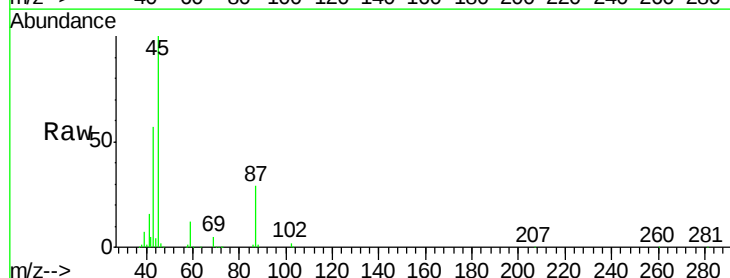
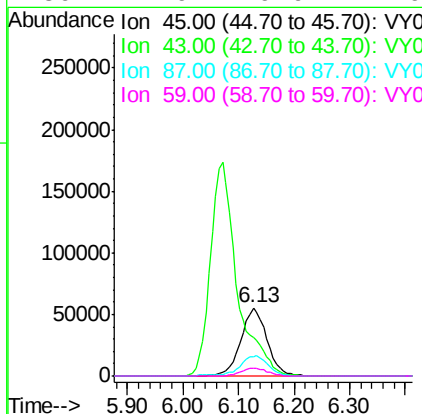
RT: 6.13 min Scan# 720

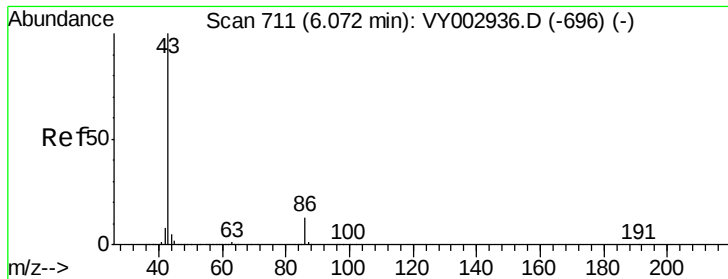
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	45	Resp:	181014
Ion	Ratio	Lower	Upper
45	100		
43	57.0	46.2	69.2
87	29.1	24.9	37.3
59	11.9	9.9	14.9





#23

Vinyl Acetate

Concen: 97.386 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 43 Resp: 580922

Ion Ratio Lower Upper

43 100

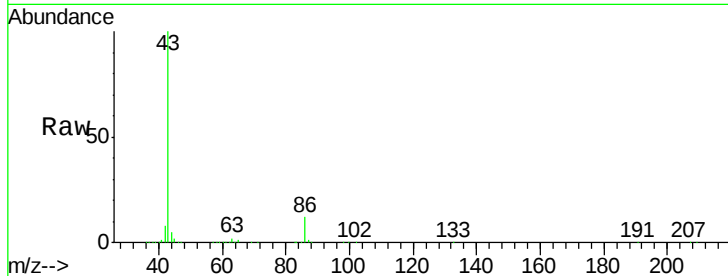
86 12.2 10.6 15.8

Manual Integrations

APPROVED

MMDadoda

6/22/2020 2:06:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

200000

150000

100000

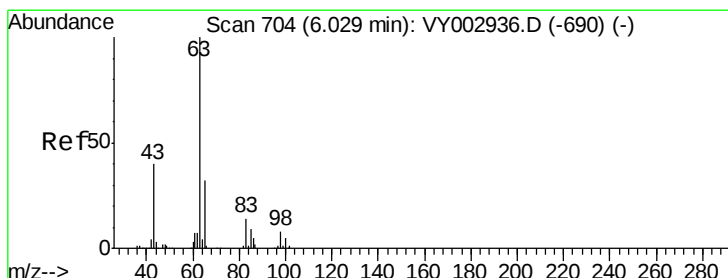
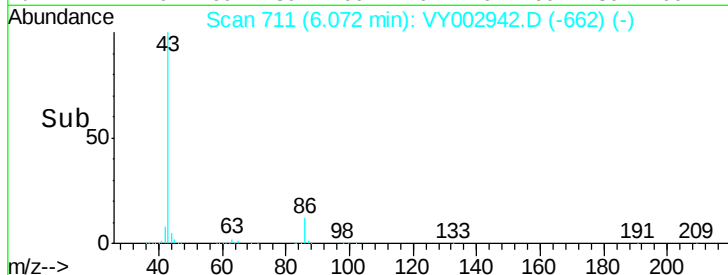
50000

0

6.07

6.20

Time-->



#24

1,1-Dichloroethane

Concen: 19.307 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

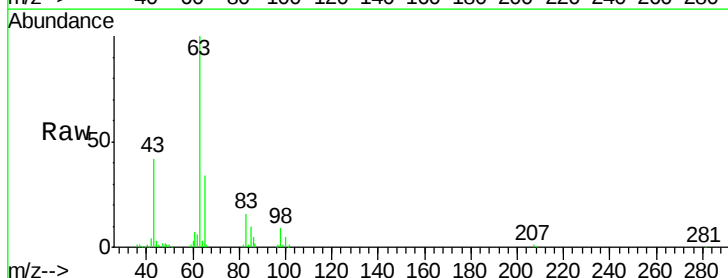
Tgt Ion: 63 Resp: 105480

Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.0

100 5.3 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

40000

30000

20000

10000

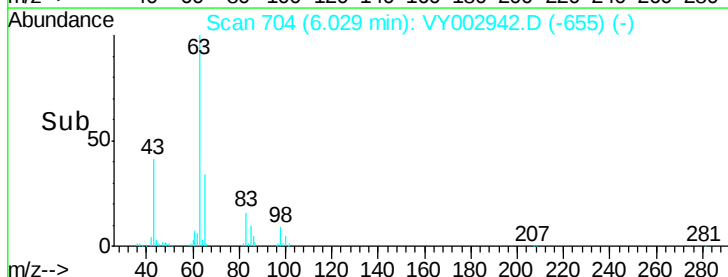
0

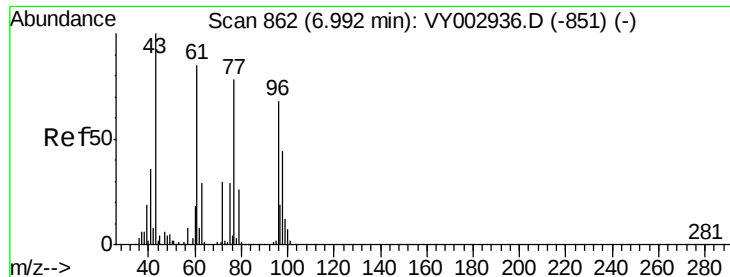
6.03

6.10

6.20

Time-->





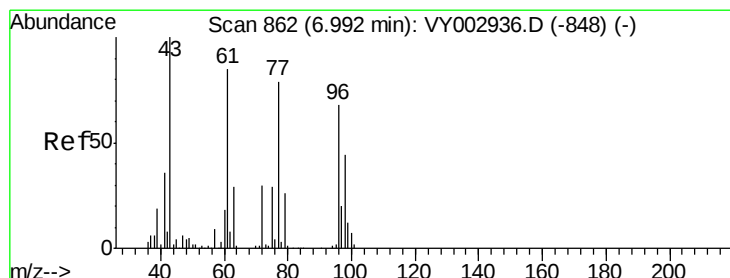
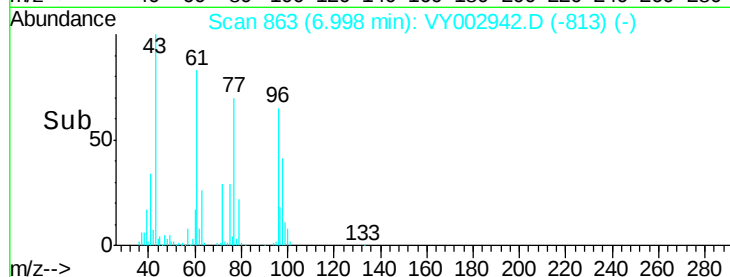
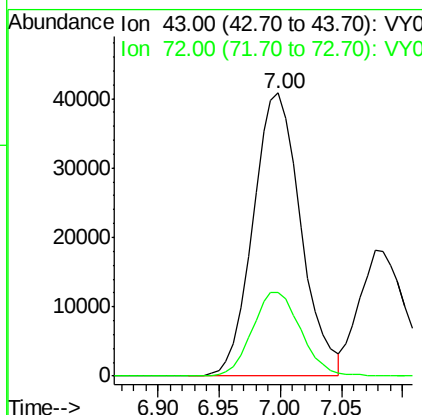
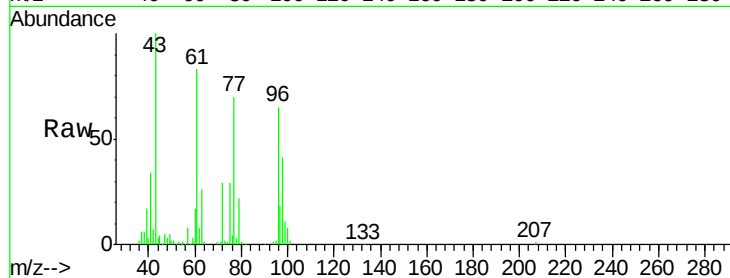
#25
2-Butanone
Concen: 96.370 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion: 43 Resp: 111001
Ion Ratio Lower Upper
43 100
72 29.4 24.2 36.4

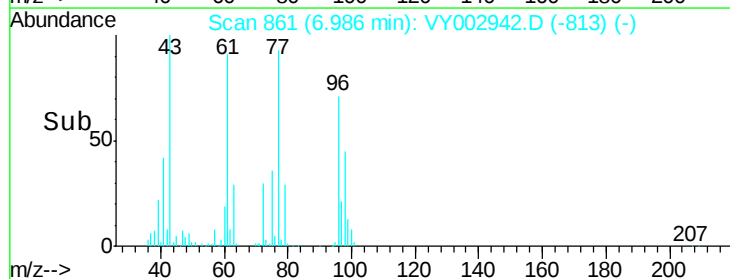
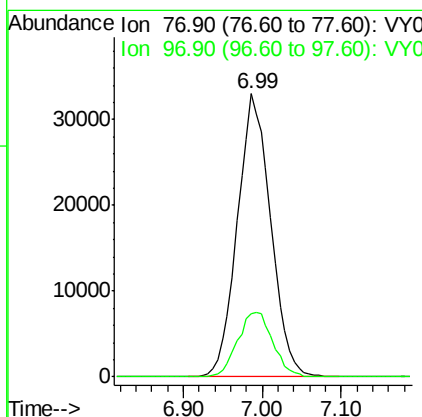
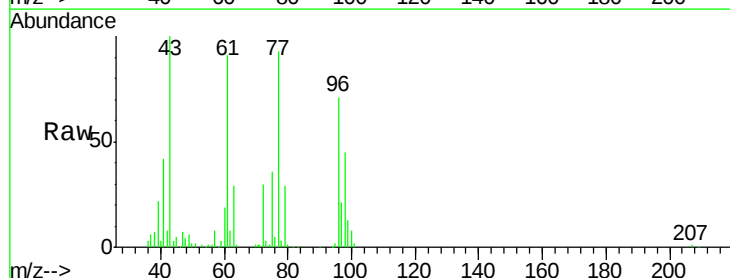
Manual Integrations
APPROVED

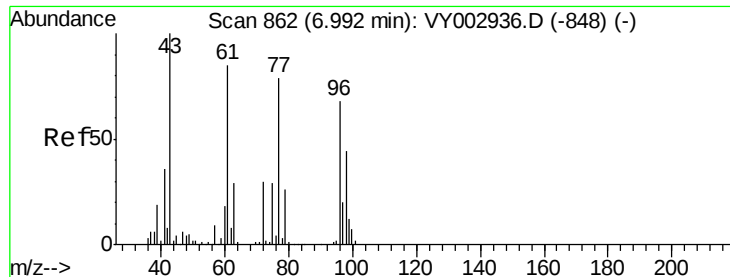
MMDadoda
6/22/2020 2:06:41 PM



#26
2,2-Dichloropropane
Concen: 19.023 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion: 77 Resp: 97065
Ion Ratio Lower Upper
77 100
97 24.1 12.3 36.9





#27

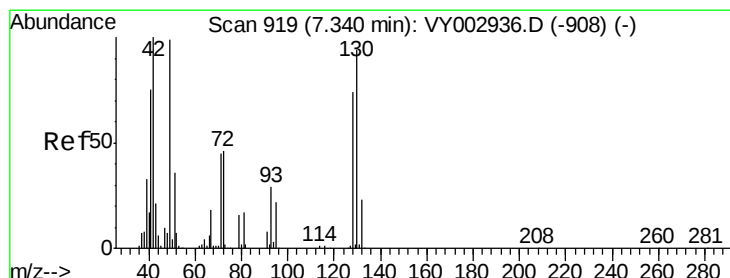
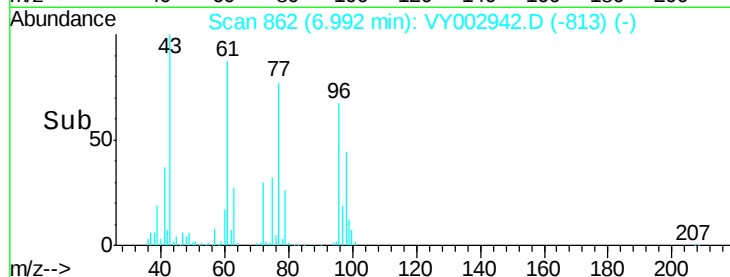
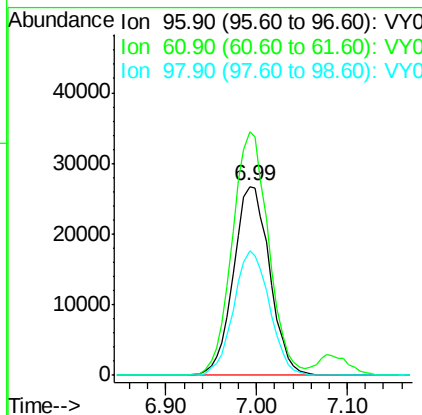
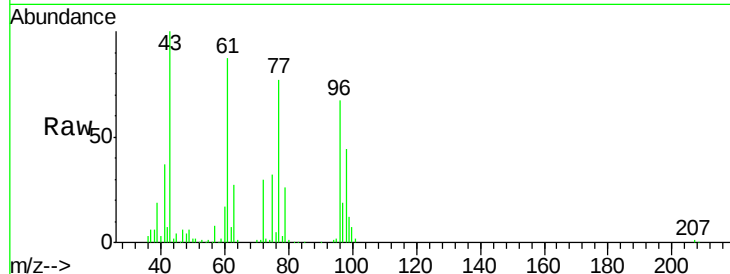
cis-1,2-Dichloroethene
 Concen: 19.058 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	257.0
98	65.4	0.0	129.8

Manual Integrations
 APPROVED

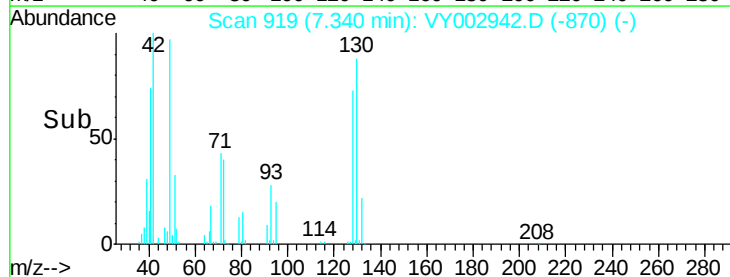
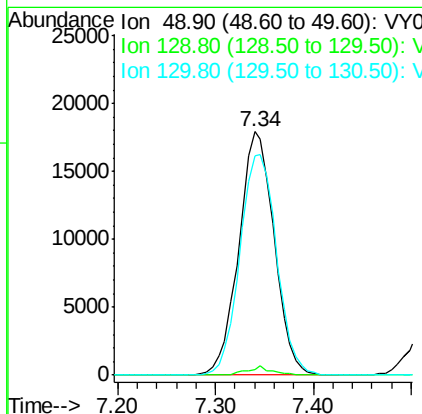
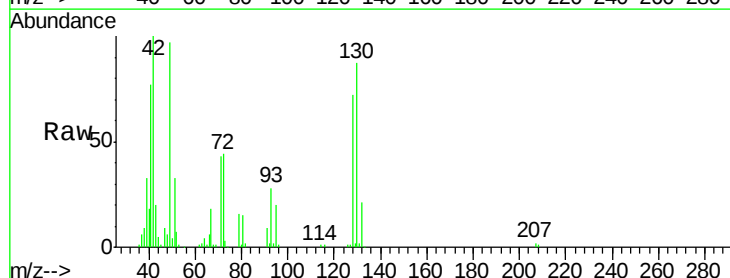
MMDadoda
 6/22/2020 2:06:41 PM

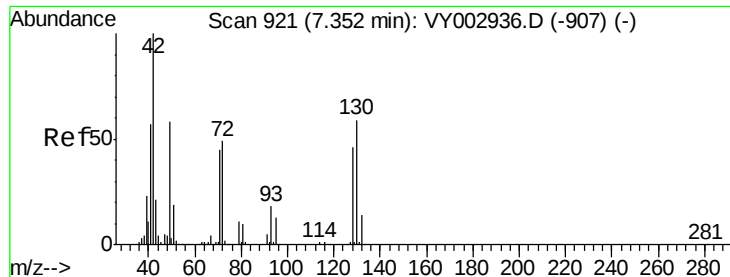


#28

Bromochloromethane
 Concen: 19.715 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	94.0	78.4	117.6





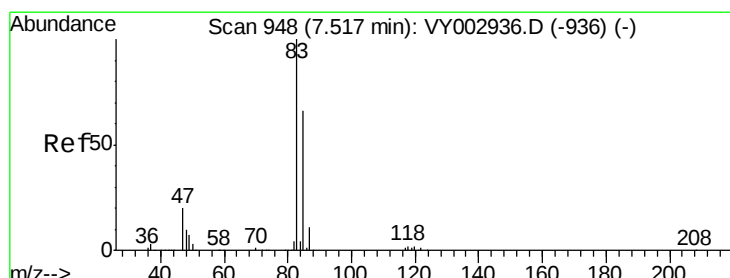
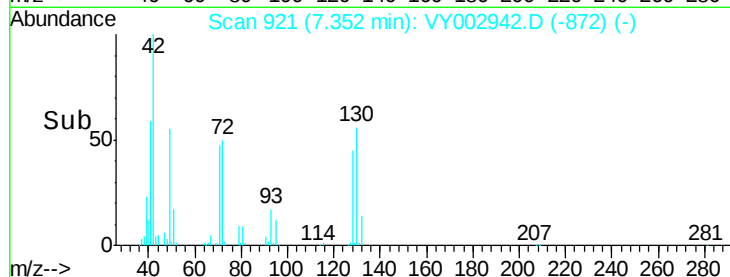
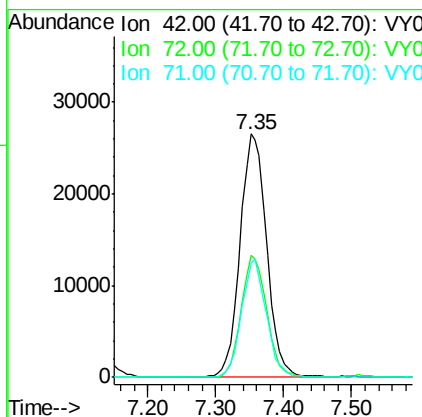
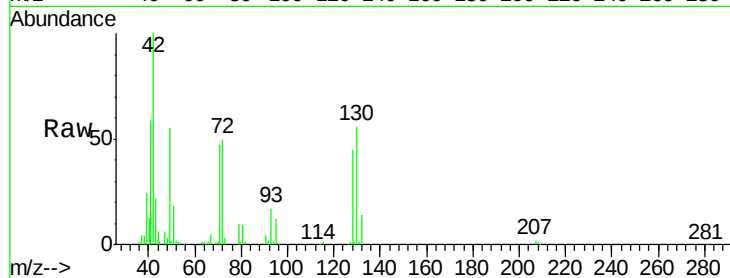
#29
Tetrahydrofuran
Concen: 96.979 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	39.1	58.7
71	45.1	36.4	54.6

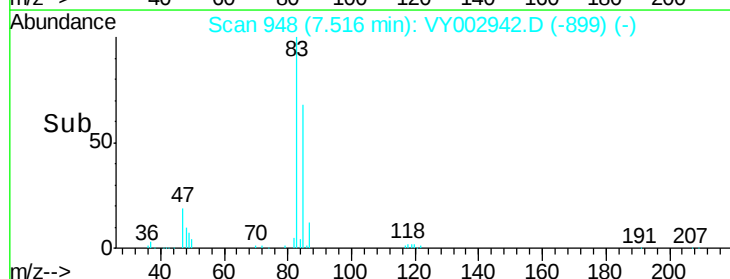
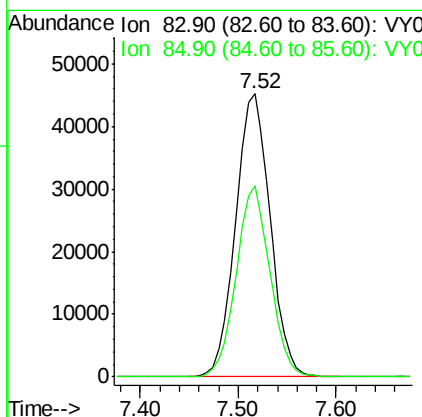
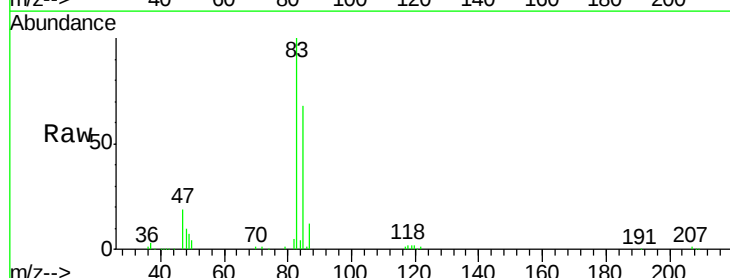
Manual Integrations
APPROVED

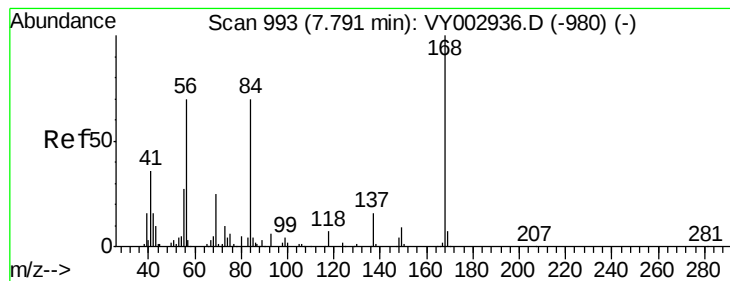
MMDadoda
6/22/2020 2:06:41 PM



#30
Chloroform
Concen: 19.385 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.1	79.7





#31

Cyclohexane

Concen: 18.107 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

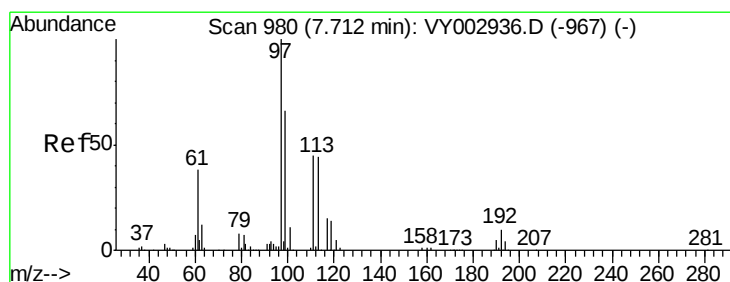
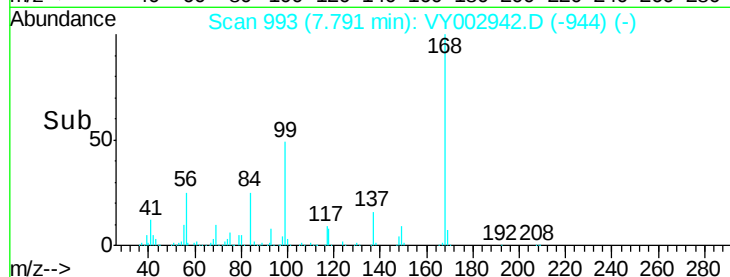
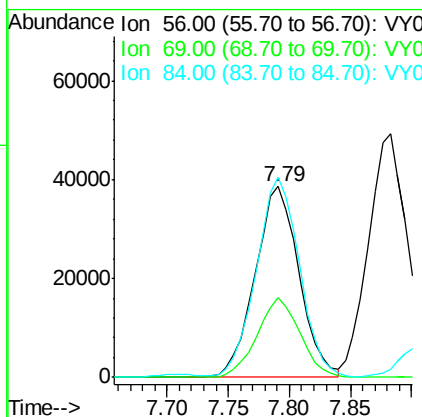
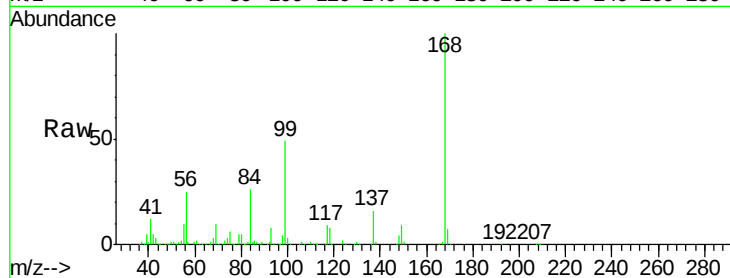
ClientSampleId :

VY0619SBS01

Tot Ion:	56	Resp:	96493
Ion	Ratio	Lower	Upper
56	100		
69	41.9	28.9	43.3
84	103.4	80.1	120.1

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#32

1,1,1-Trichloroethane

Concen: 19.322 ug/l

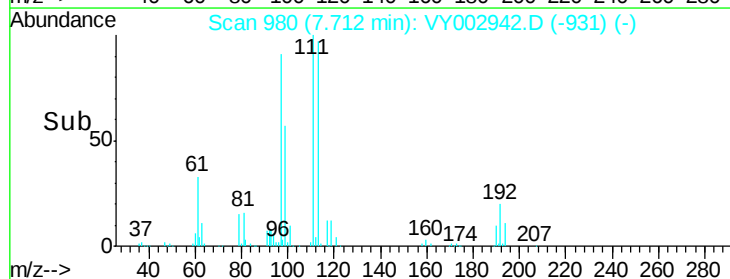
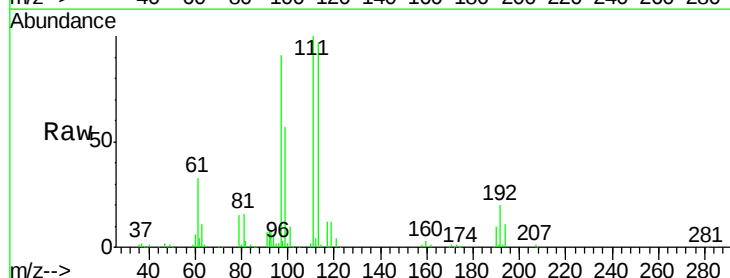
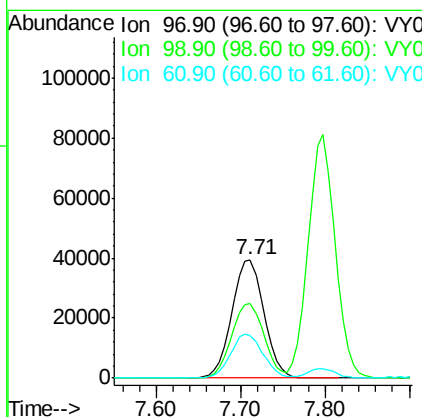
RT: 7.71 min Scan# 980

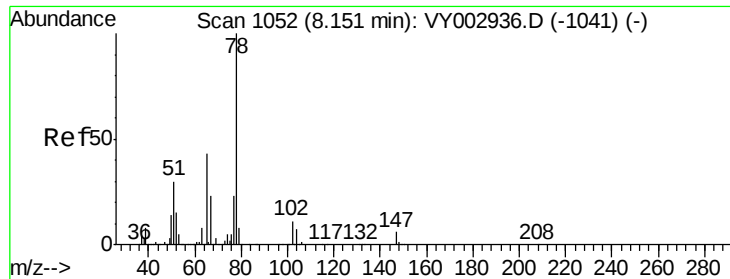
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	97	Resp:	101874
Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.2	78.2
61	37.6	30.3	45.5





#33

1,2-Dichloroethane-d4

Concen: 46.032 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 65 Resp: 142859

Ion Ratio Lower Upper

65 100

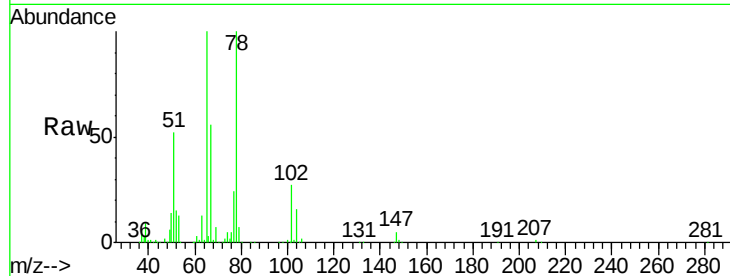
67 54.9 0.0 109.4

Manual Integrations

APPROVED

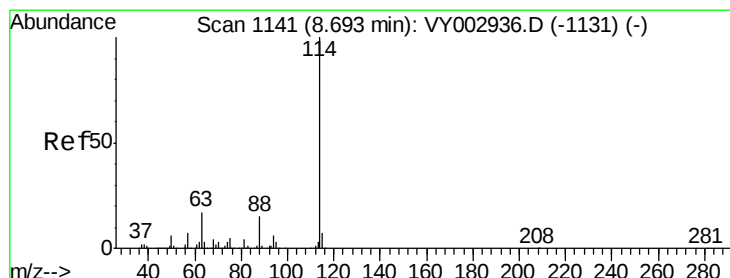
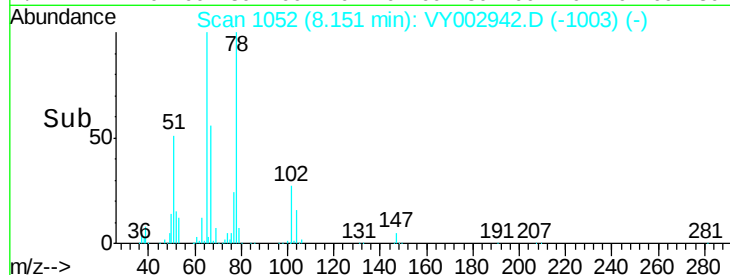
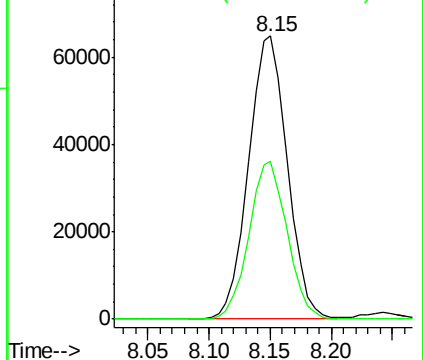
MMDadoda

6/22/2020 2:06:41 PM



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

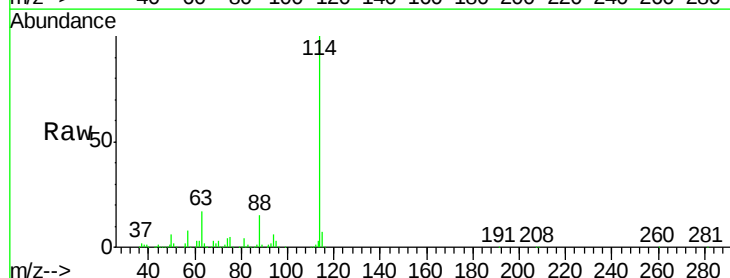
Tgt Ion: 114 Resp: 556795

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.6

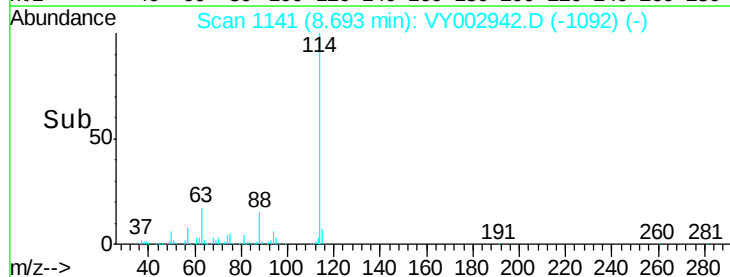
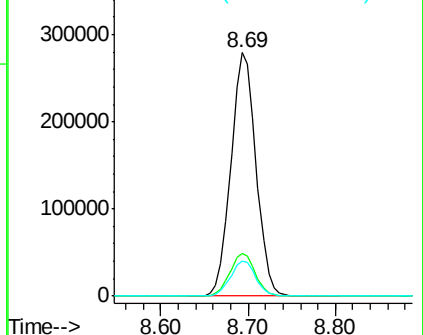
88 14.6 0.0 29.2

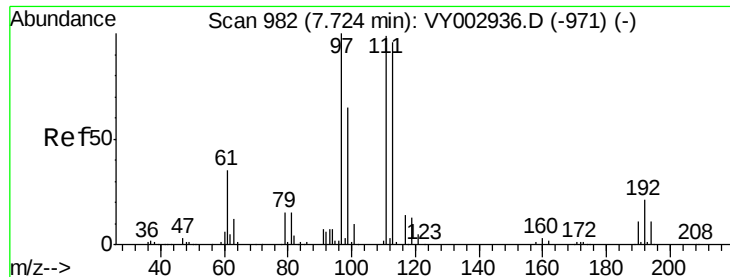


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





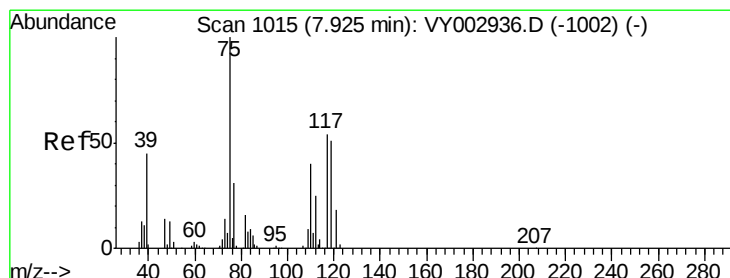
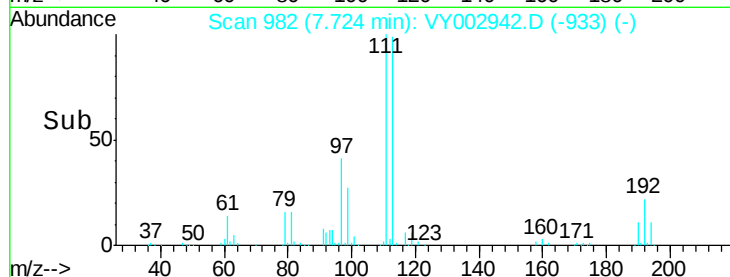
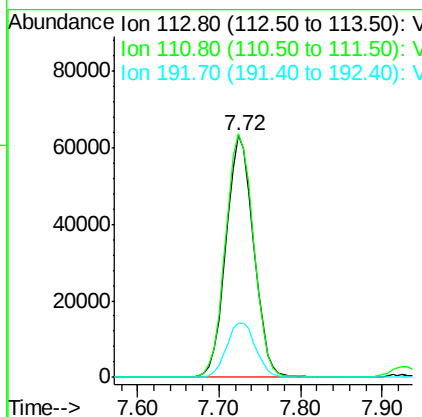
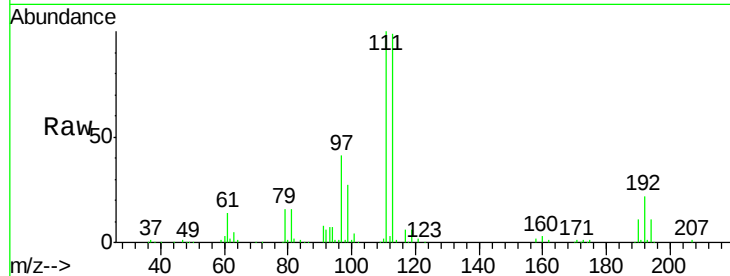
#35
 Dibromofluoromethane
 Concen: 46.820 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147504		
111	102.7	81.5	122.3	
192	23.6	19.2	28.8	

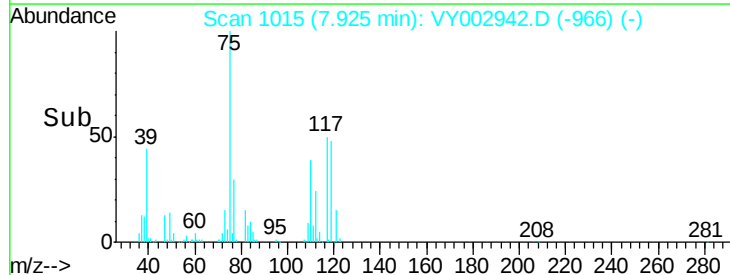
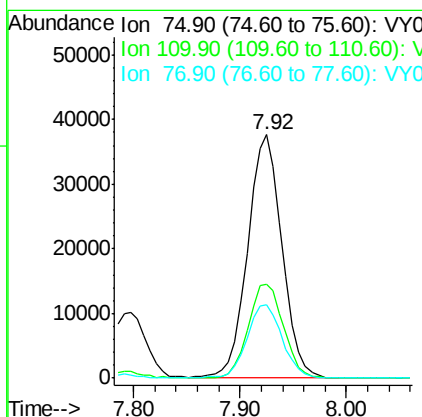
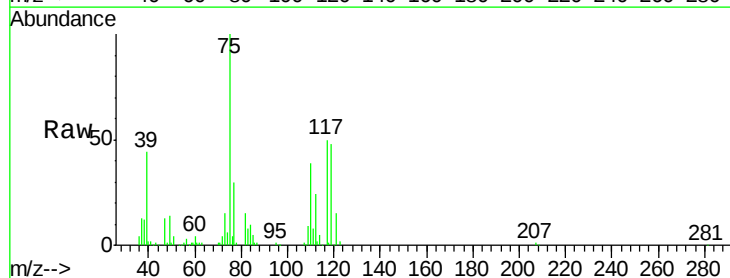
Manual Integrations
 APPROVED

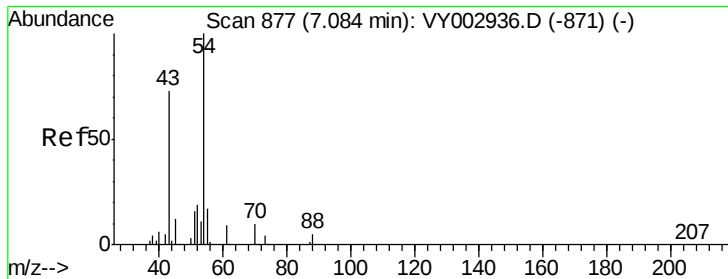
MMDadoda
 6/22/2020 2:06:41 PM



#36
 1,1-Dichloropropene
 Concen: 18.815 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85082		
110	39.6	19.7	59.0	
77	31.0	25.0	37.4	





#37

Ethyl Acetate

Concen: 19.545 ug/l

RT: 7.08 min Scan# 876

Delta R.T. -0.01 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

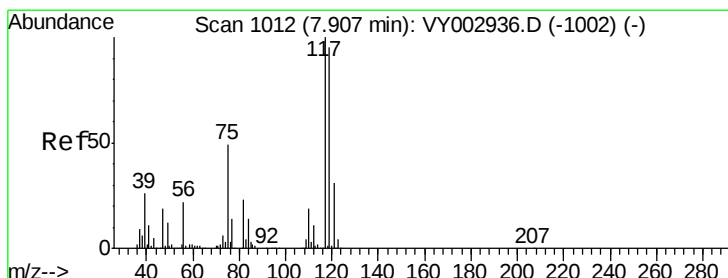
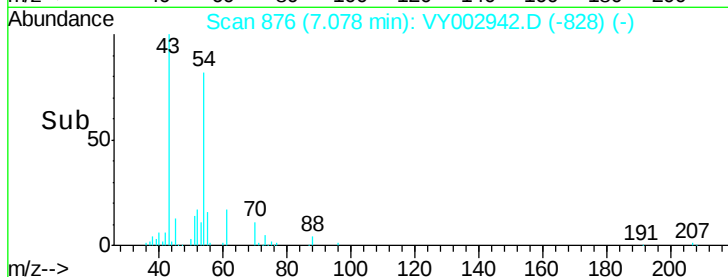
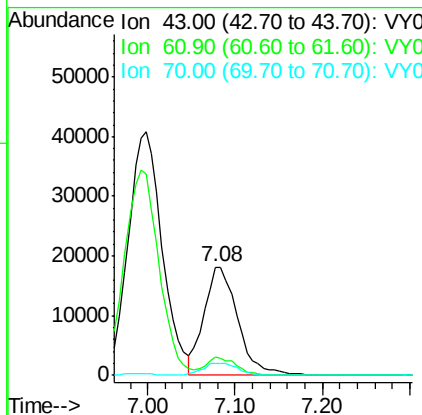
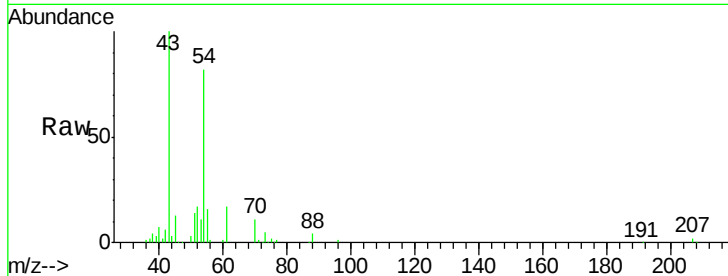
ClientSampleId :

VY0619SBS01

Tot Ion:	43	Resp:	49075
Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.3	18.5
70	11.4	9.7	14.5

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#38

Carbon Tetrachloride

Concen: 18.885 ug/l

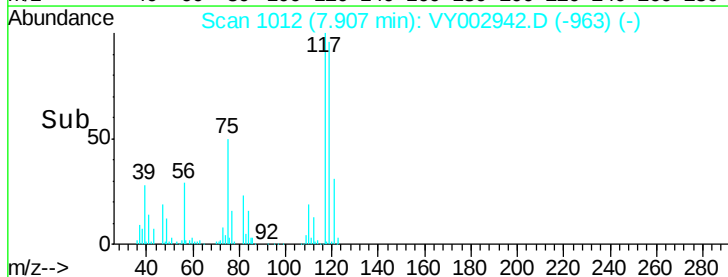
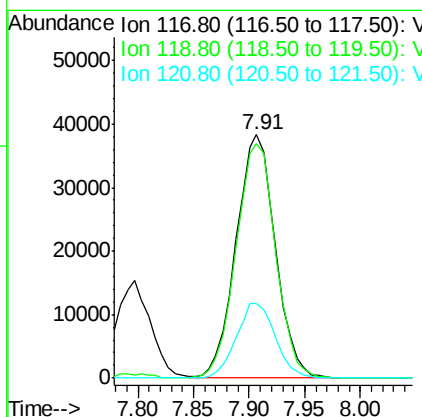
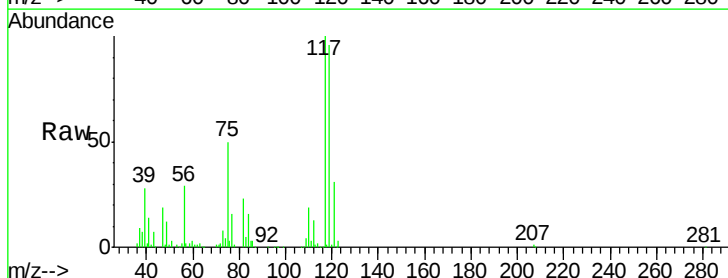
RT: 7.91 min Scan# 1012

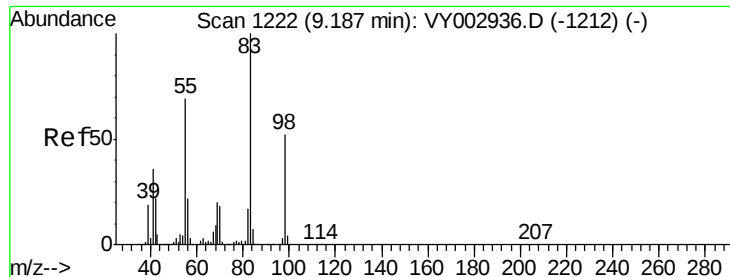
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	117	Resp:	94114
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.1	114.1
121	30.9	24.8	37.2





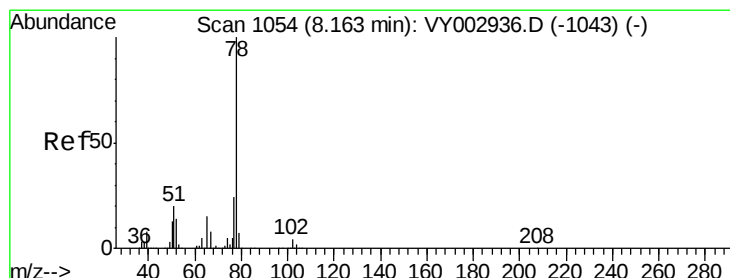
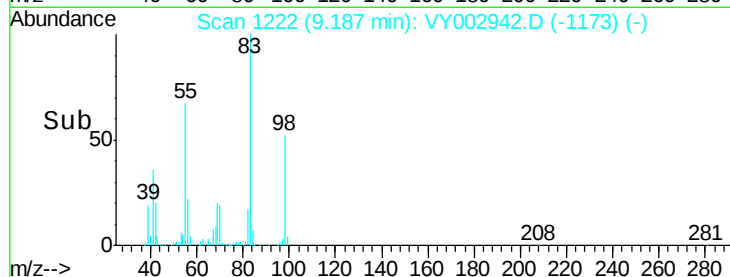
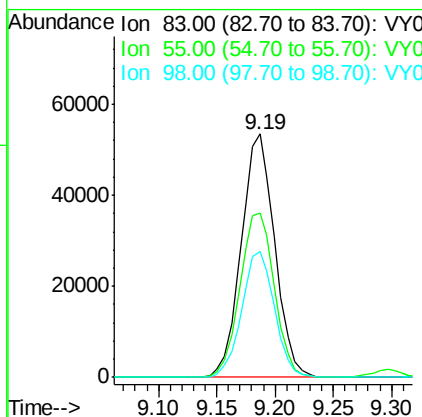
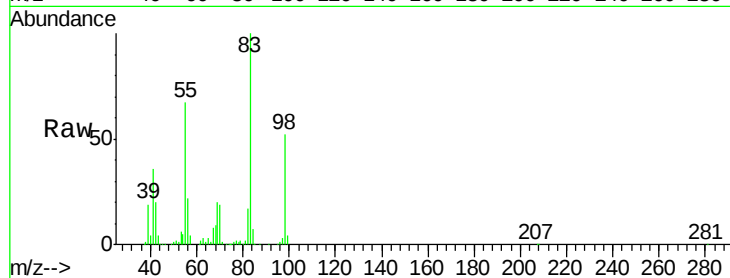
#39
Methvlcvclohexane
Concen: 17.999 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	55.0	82.4
98	51.6	41.4	62.2

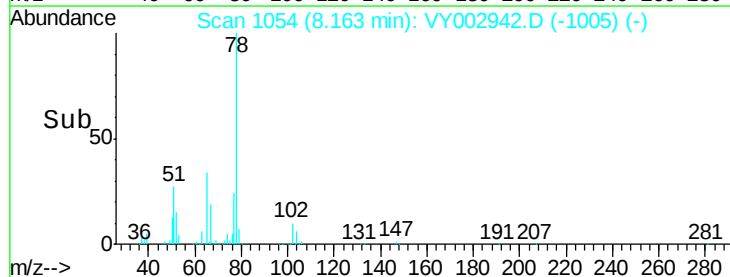
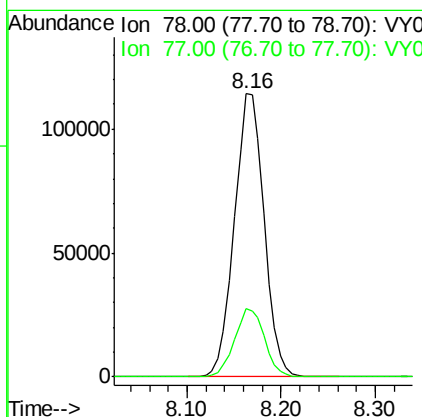
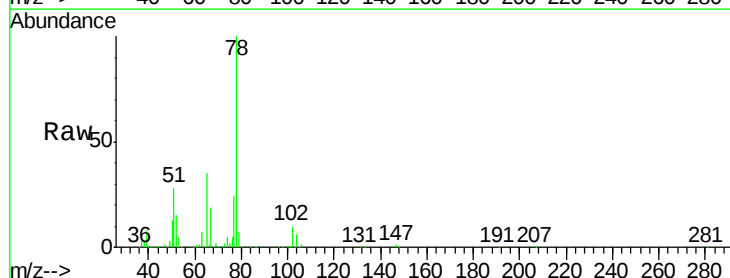
Manual Integrations
APPROVED

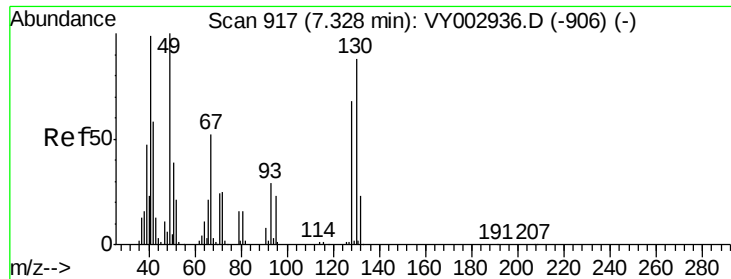
MMDadoda
6/22/2020 2:06:41 PM



#40
Benzene
Concen: 18.672 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





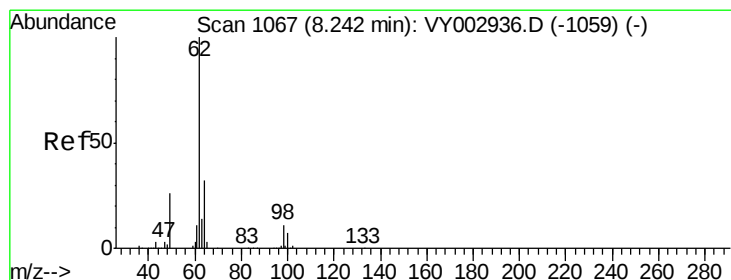
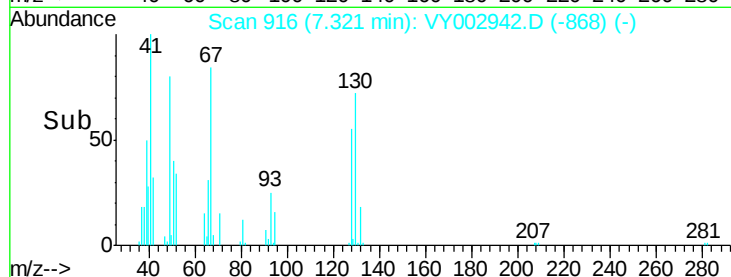
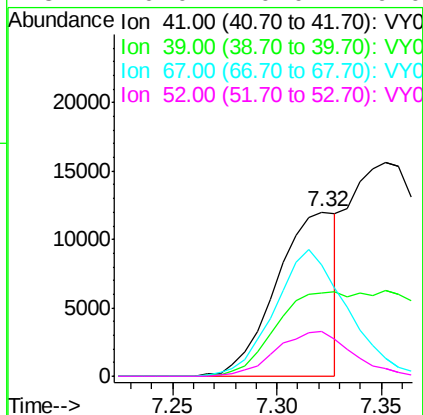
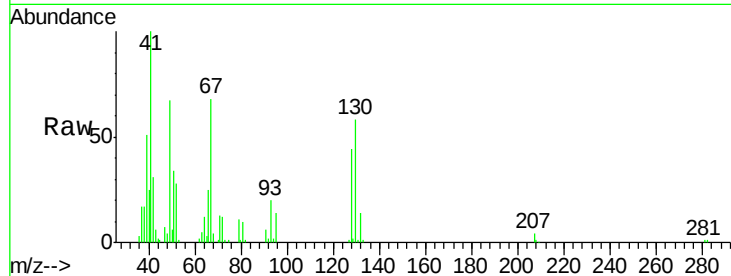
#41
Methacrylonitrile
Concen: 19.214 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	41	Resp	24154
Ion	Ratio	Lower	Upper
41	100		
39	0.0	96.6	144.8#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

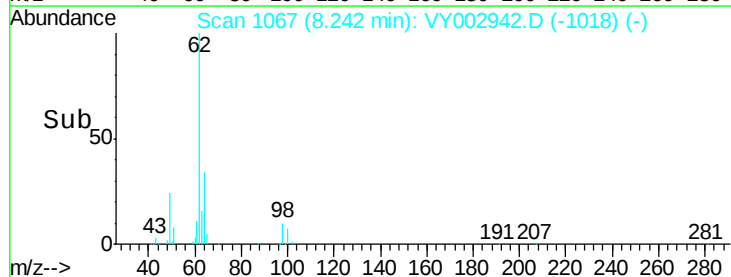
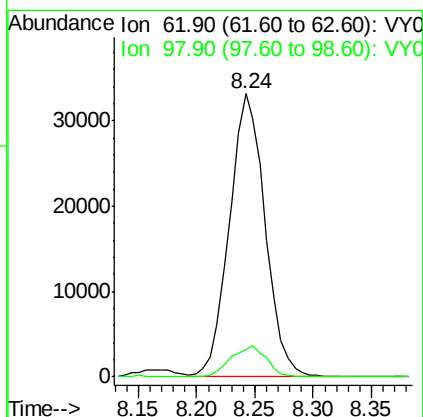
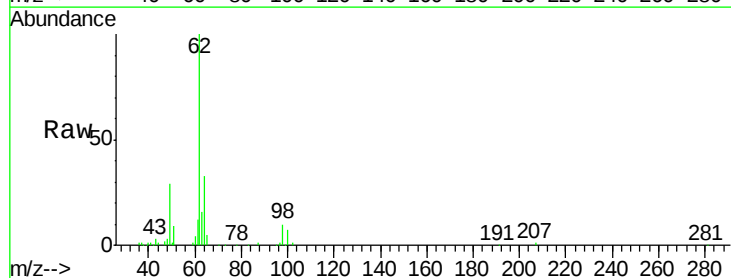
Manual Integrations
APPROVED

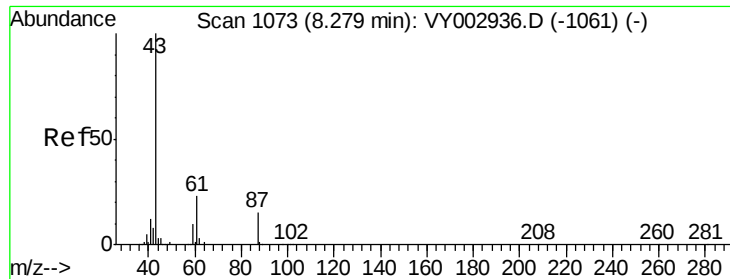
MMDadoda
6/22/2020 2:06:41 PM



#42
1,2-Dichloroethane
Concen: 18.939 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	62	Resp	70767
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.6





#43

Isopropyl Acetate

Concen: 19.401 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

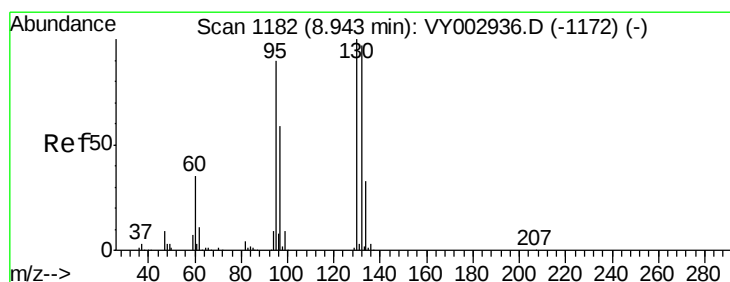
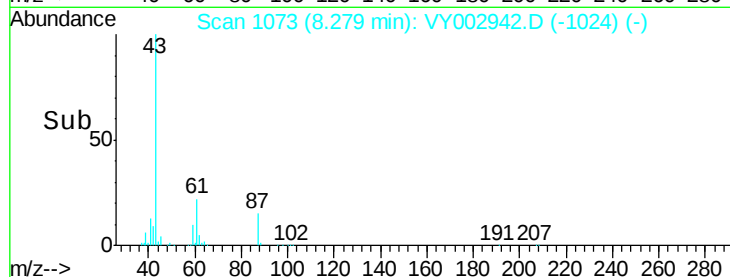
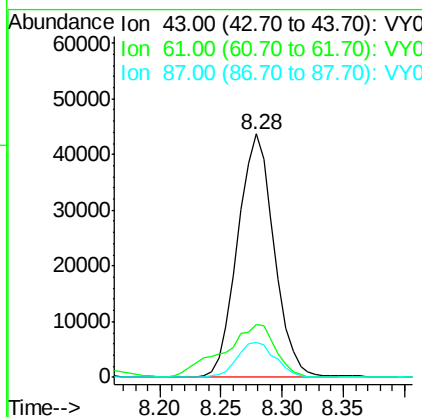
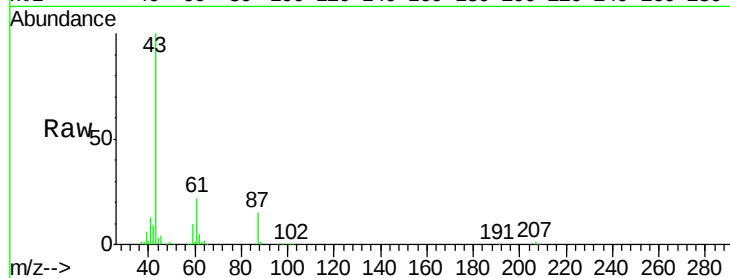
ClientSampleId :

VY0619SBS01

Tot Ion:	43	Resp:	90713
Ion	Ratio	Lower	Upper
43	100		
61	31.0	25.0	37.4
87	15.0	12.6	18.8

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#44

Trichloroethene

Concen: 18.692 ug/l

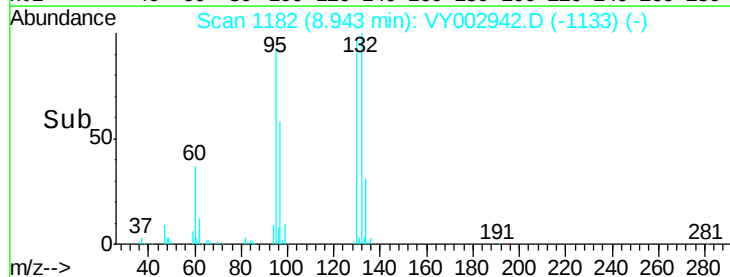
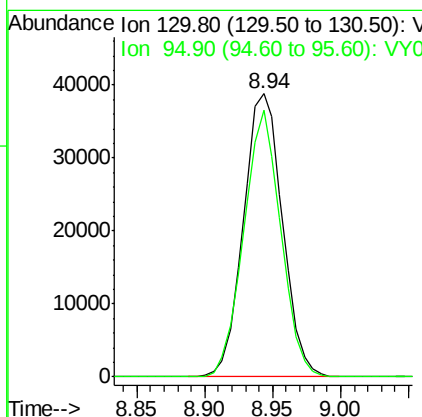
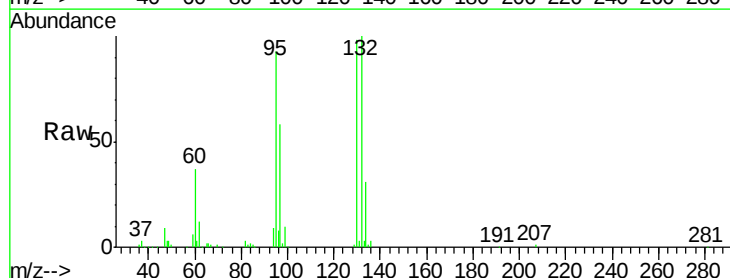
RT: 8.94 min Scan# 1182

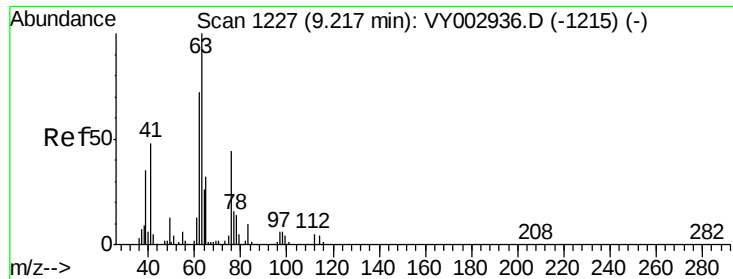
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	130	Resp:	77949
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	179.6





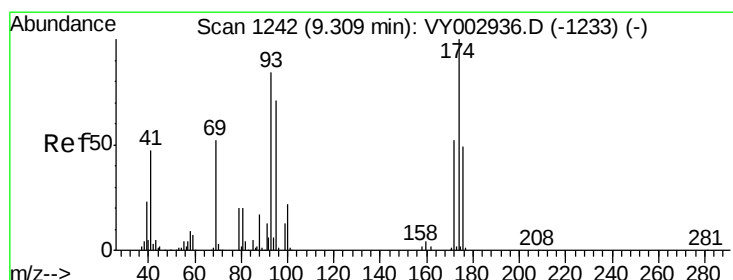
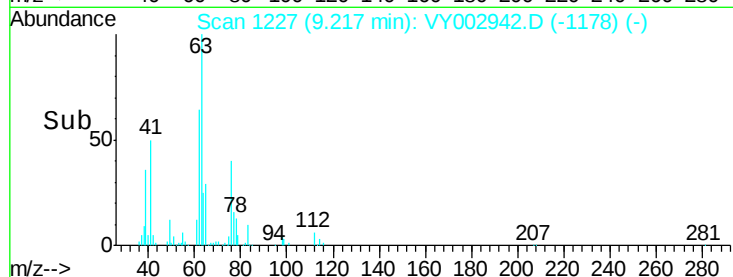
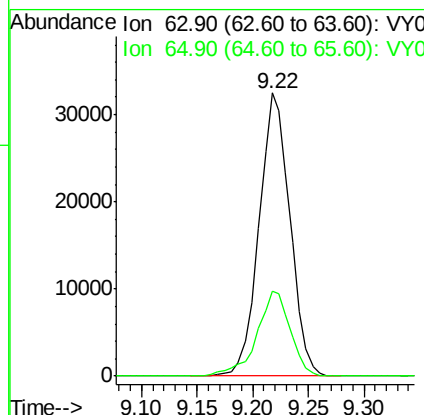
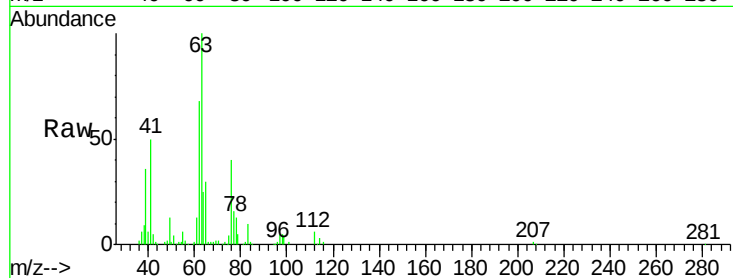
#45
 1,2-Dichloropropane
 Concen: 19.399 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.5	38.3

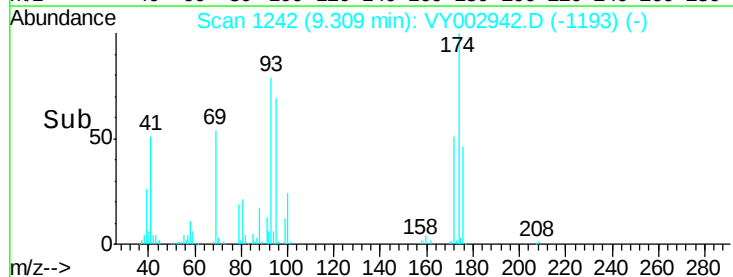
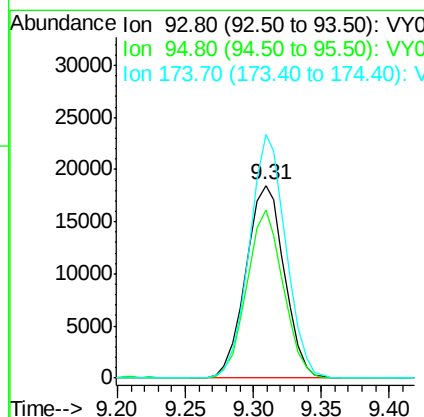
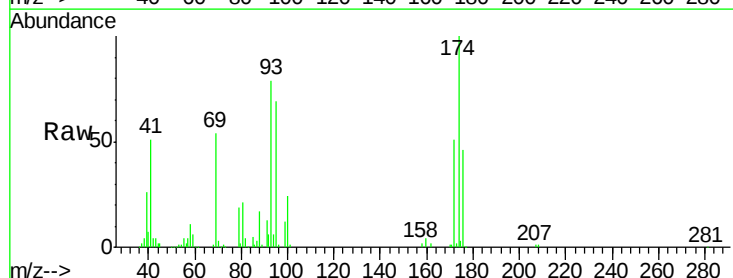
Manual Integrations
 APPROVED

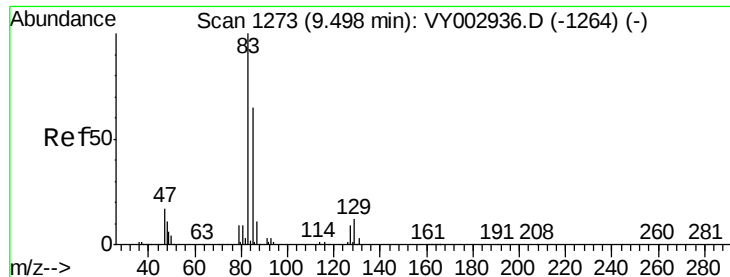
MMDadoda
 6/22/2020 2:06:41 PM



#46
 Dibromomethane
 Concen: 18.888 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.4	99.6
174	120.3	95.1	142.7





#47

Bromodichloromethane

Concen: 19.379 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

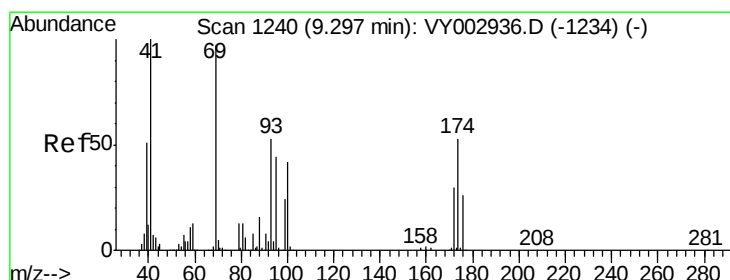
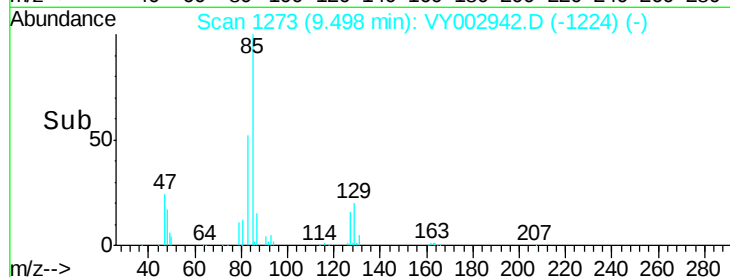
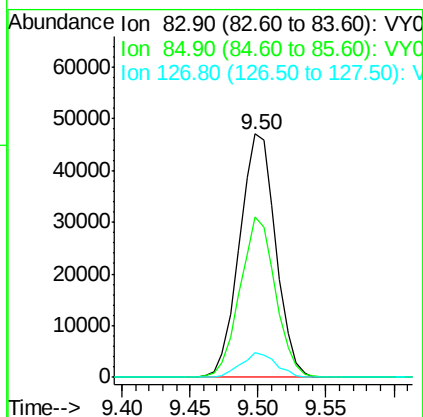
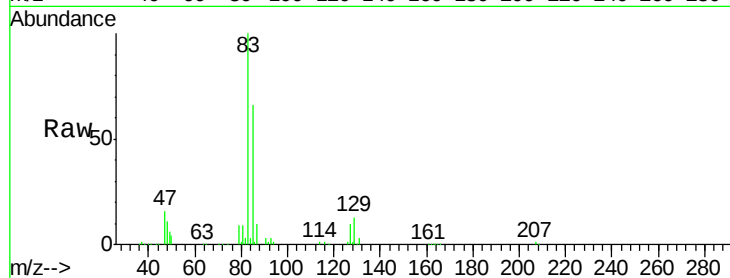
ClientSampleId :

VY0619SBS01

Tot Ion:	83	Resp:	87461
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.9	77.9
127	10.4	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#48

Methyl methacrylate

Concen: 19.116 ug/l

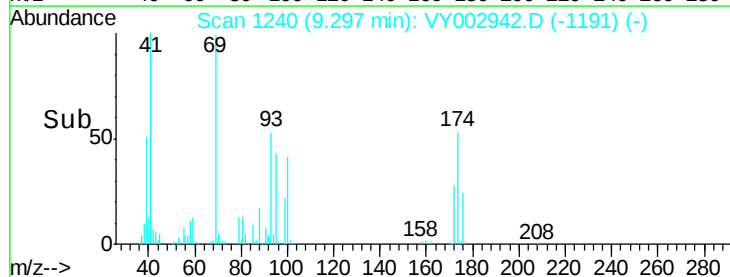
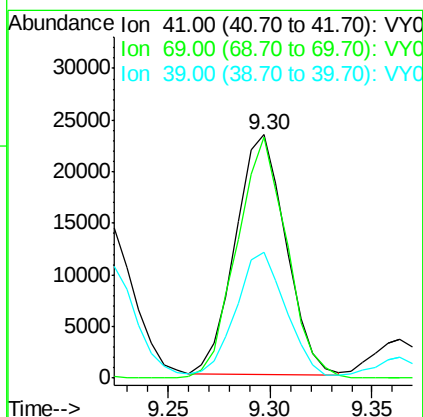
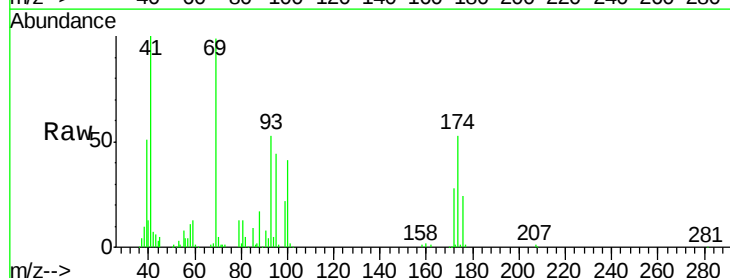
RT: 9.30 min Scan# 1240

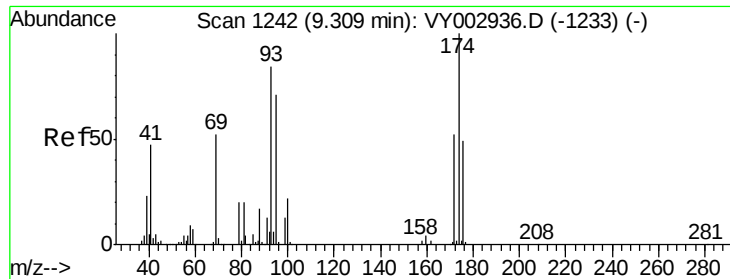
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	41	Resp:	40105
Ion Ratio	Lower	Upper	
41	100		
69	99.0	79.4	119.0
39	52.8	41.1	61.7





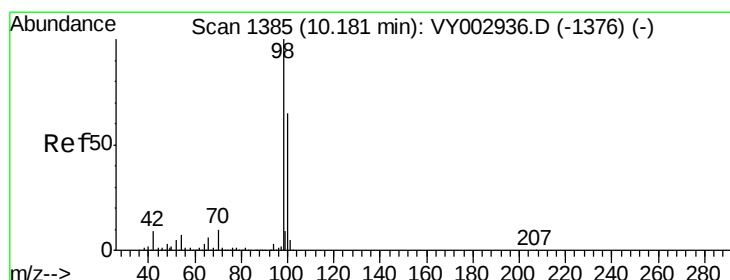
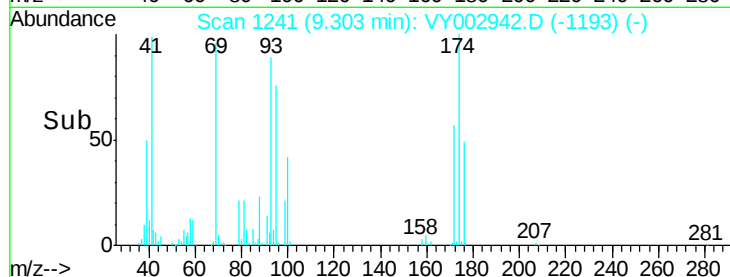
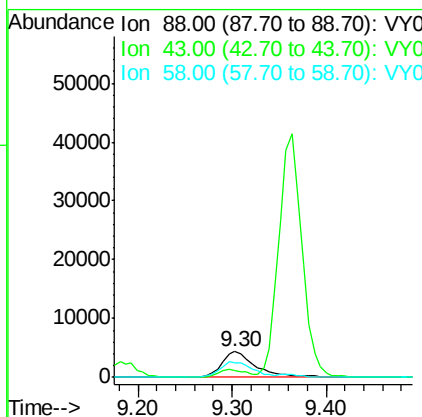
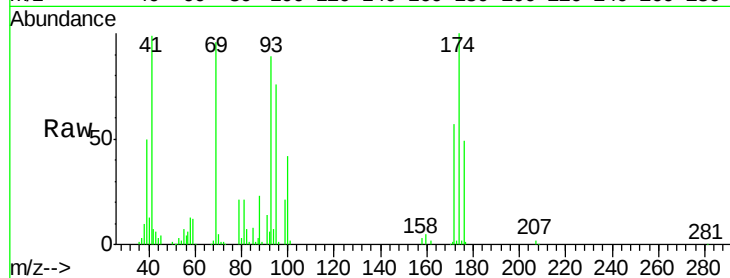
#49
1,4-Dioxane
Concen: 386.350 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	88	Resp	10946
Ion Ratio	Lower	Upper	
88	100		
43	26.7	21.0	31.6
58	68.6	51.5	77.3

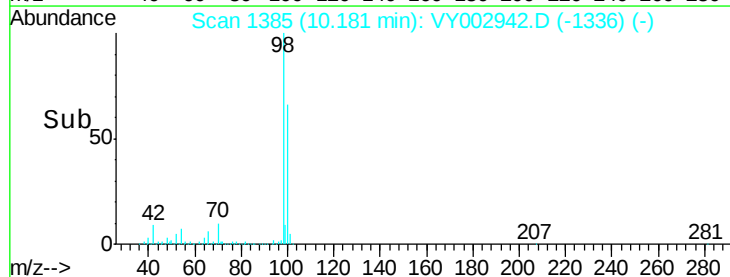
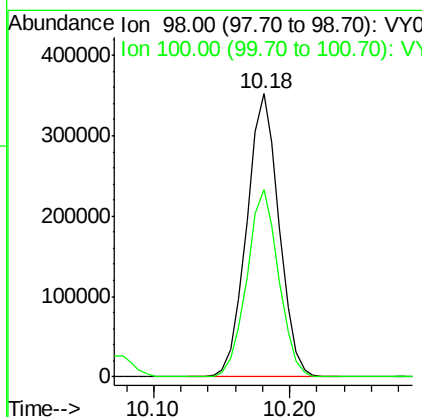
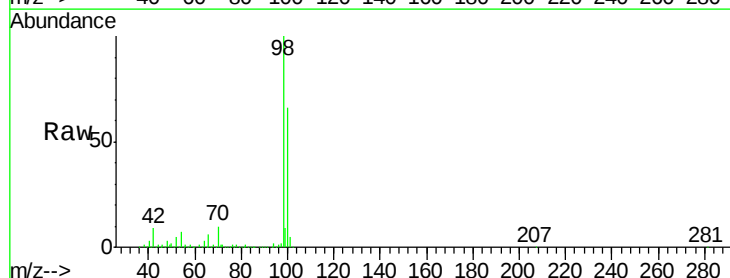
Manual Integrations
APPROVED

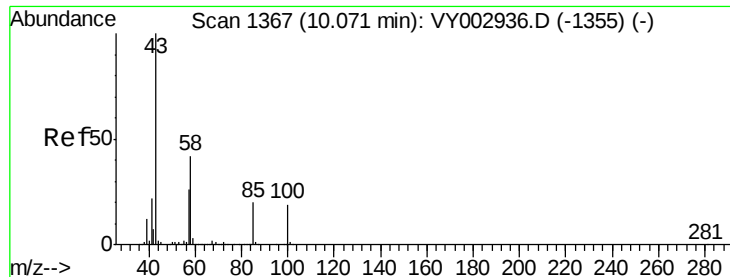
MMDadoda
6/22/2020 2:06:41 PM



#50
Toluene-d8
Concen: 47.131 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	98	Resp	585465
Ion Ratio	Lower	Upper	
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 96.813 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 43 Resp: 239880

Ion Ratio Lower Upper

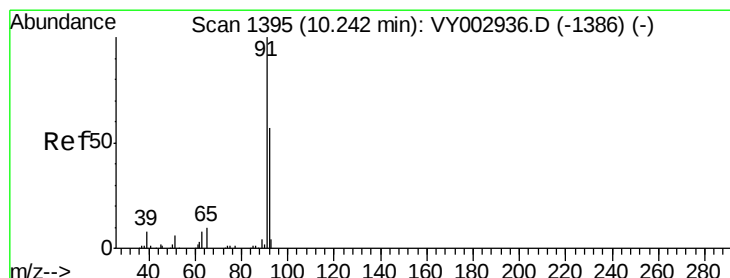
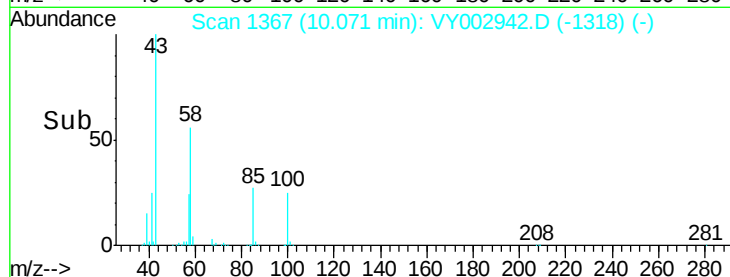
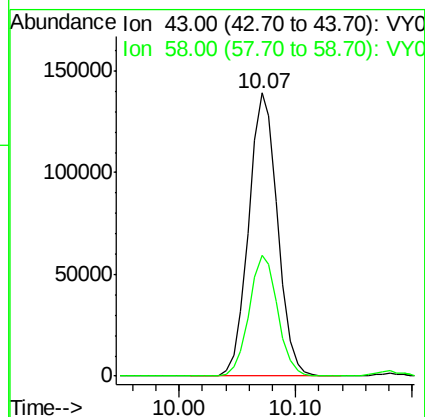
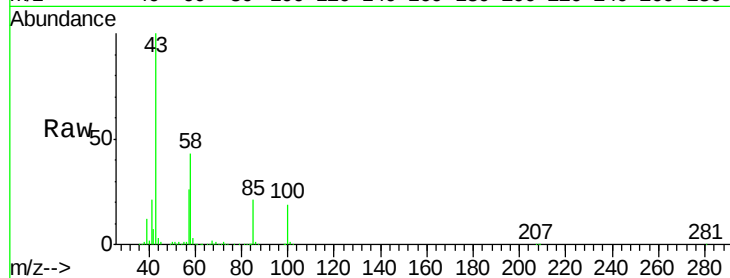
43 100

58 42.2 33.9 50.9

Manual Integrations
APPROVED

MMDadoda

6/22/2020 2:06:41 PM



#52

Toluene

Concen: 18.868 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY002942.D

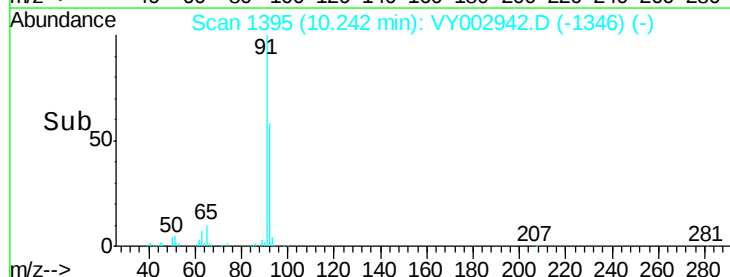
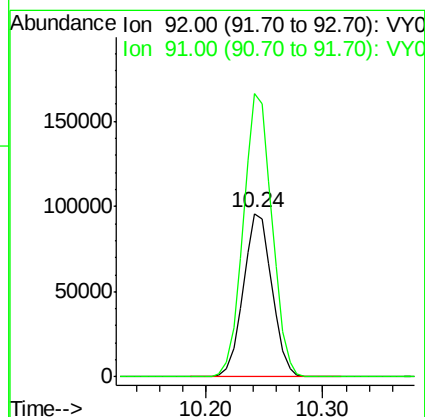
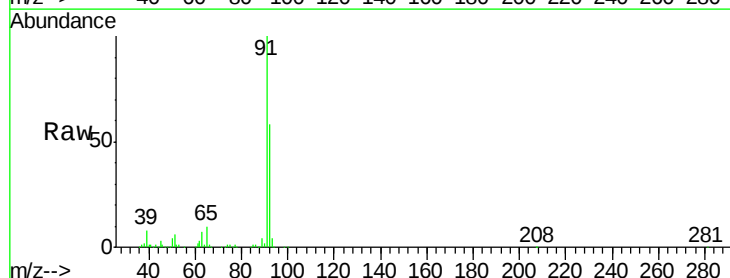
Acq: 19 Jun 2020 17:00

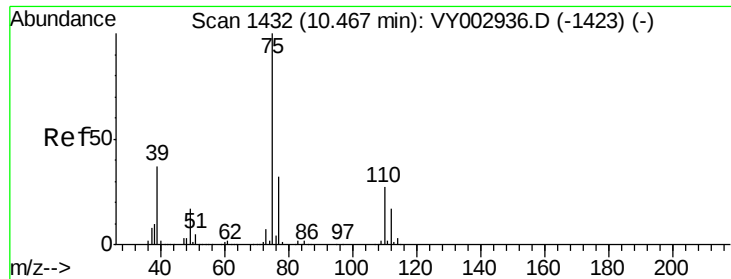
Tgt Ion: 92 Resp: 164397

Ion Ratio Lower Upper

92 100

91 173.6 139.3 208.9





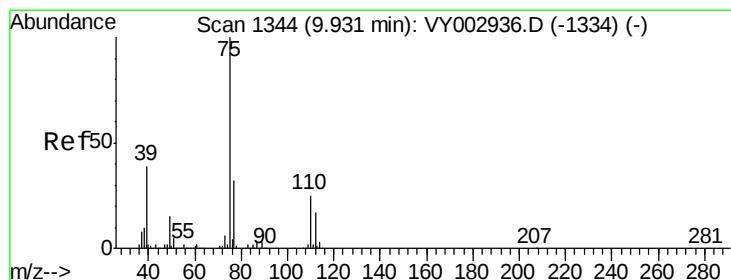
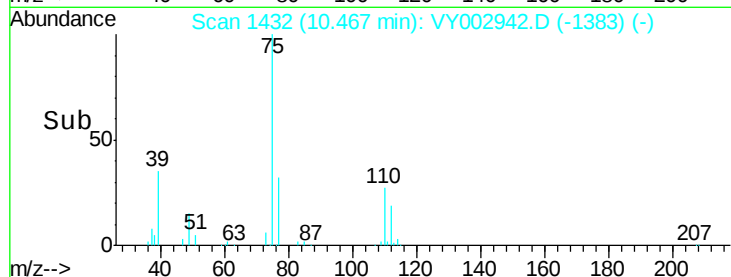
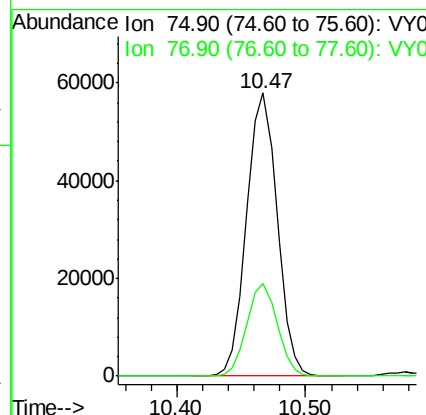
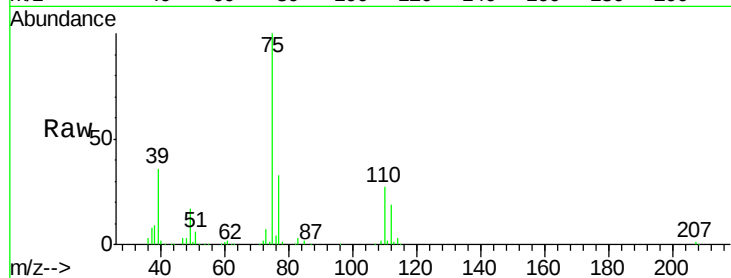
#53
t-1,3-Dichloropropene
Concen: 19.397 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion: 75 Resp: 95144
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9

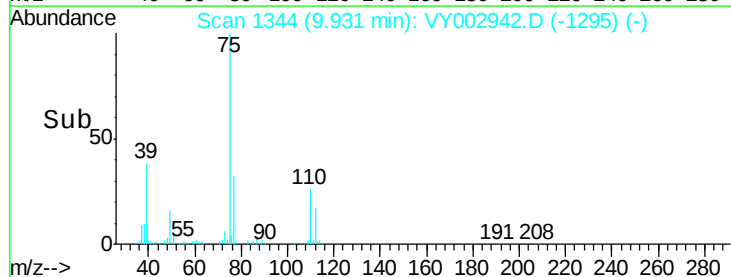
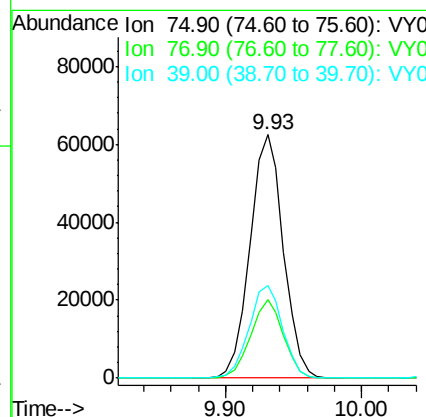
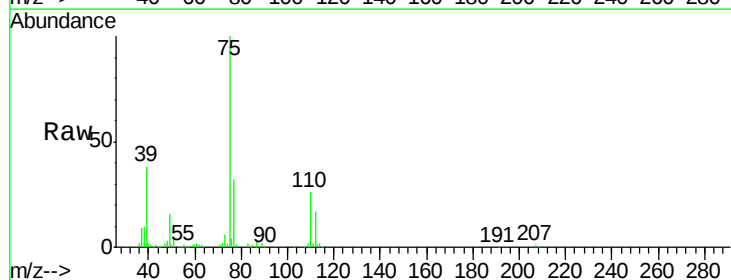
Manual Integrations
APPROVED

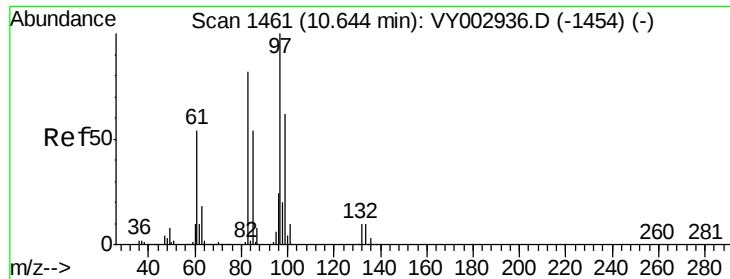
MMDadoda
6/22/2020 2:06:41 PM



#54
cis-1,3-Dichloropropene
Concen: 19.289 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion: 75 Resp: 107097
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2
39 37.8 31.4 47.0





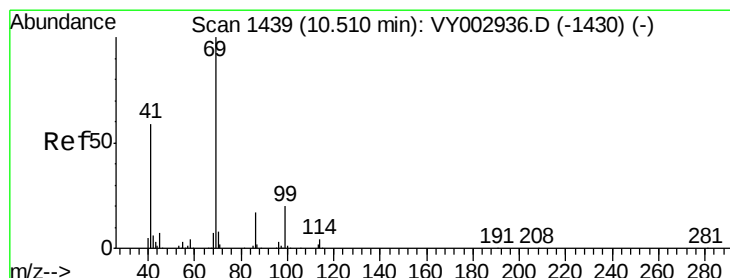
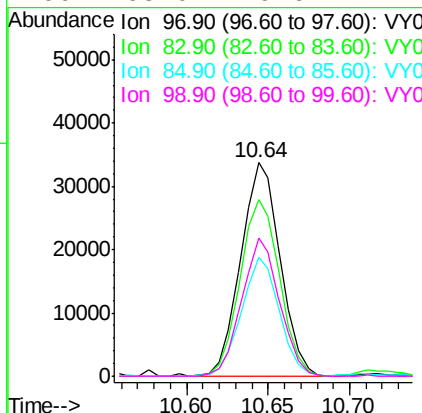
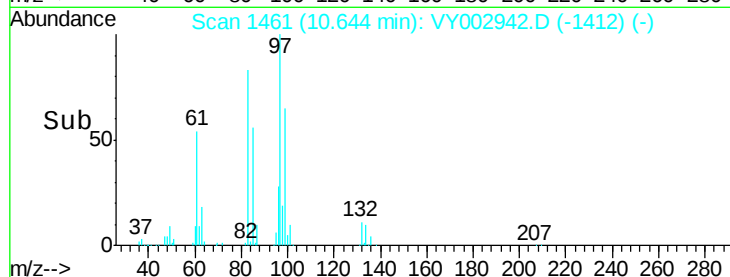
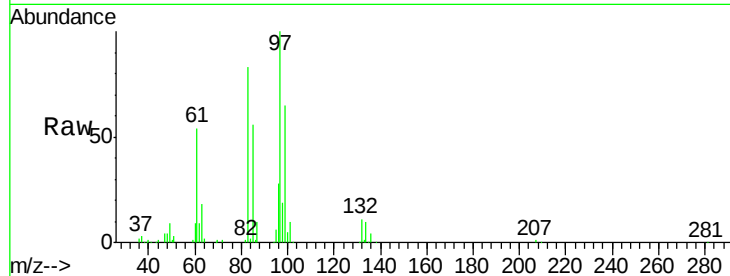
#55
 1,1,2-Trichloroethane
 Concen: 19.672 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		56711		
83	82.7	65.9	98.9		
85	55.6	43.1	64.7		
99	65.0	49.6	74.4		

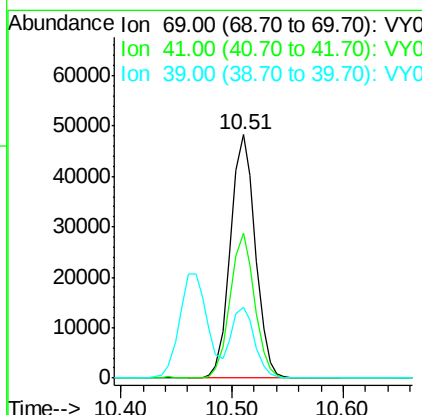
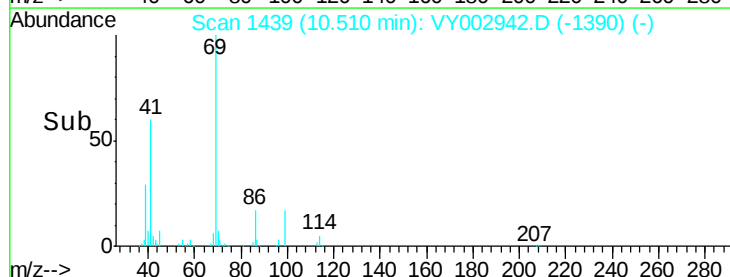
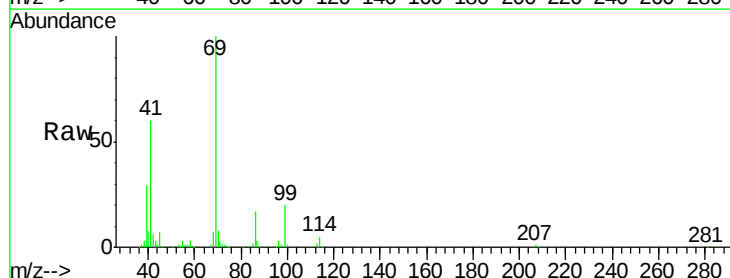
Manual Integrations
 APPROVED

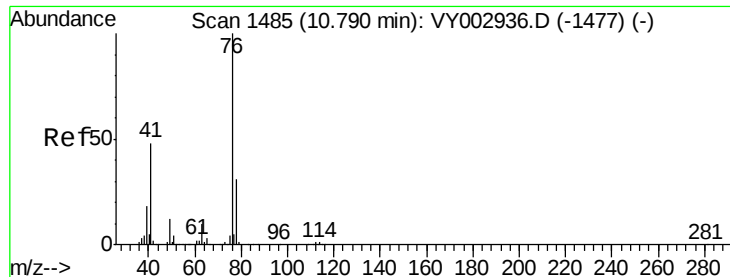
MMDadoda
 6/22/2020 2:06:41 PM



#56
 Ethyl methacrylate
 Concen: 19.250 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		74804		
41	57.9	46.4	69.6		
39	27.2	21.4	32.0		





#57

1,3-Dichloropropane

Concen: 19.432 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 76 Resp: 93416

Ion Ratio Lower Upper

76 100

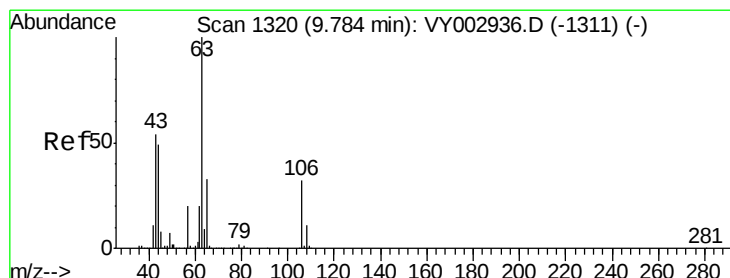
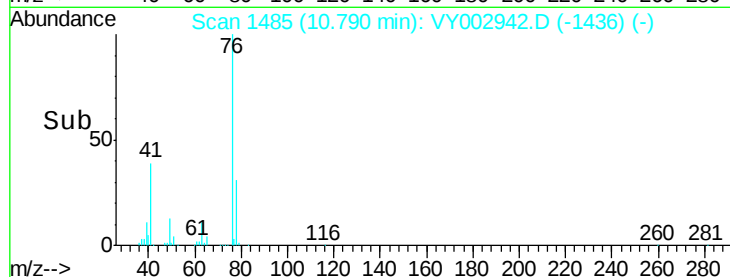
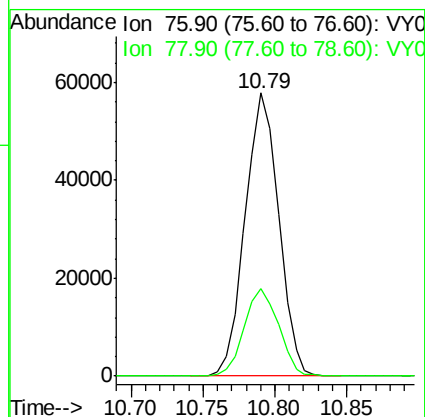
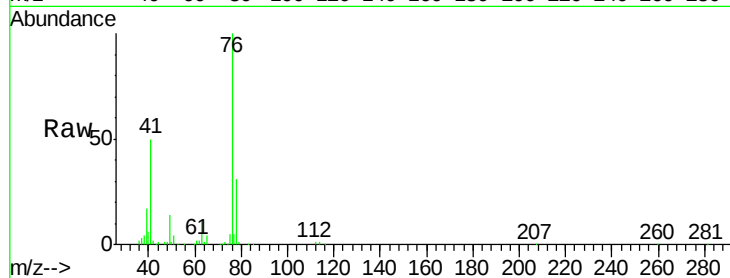
78 31.8 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

6/22/2020 2:06:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 93.715 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002942.D

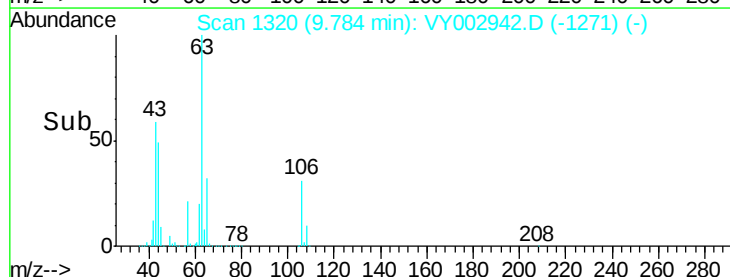
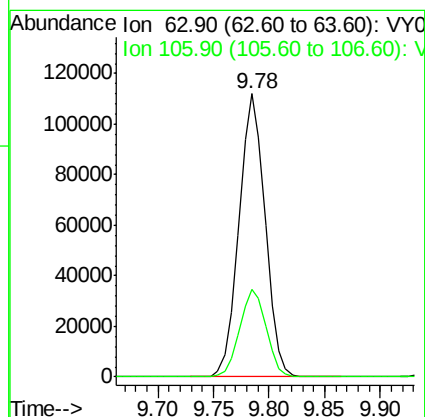
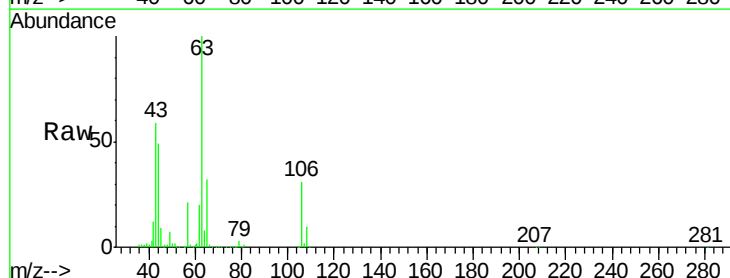
Acq: 19 Jun 2020 17:00

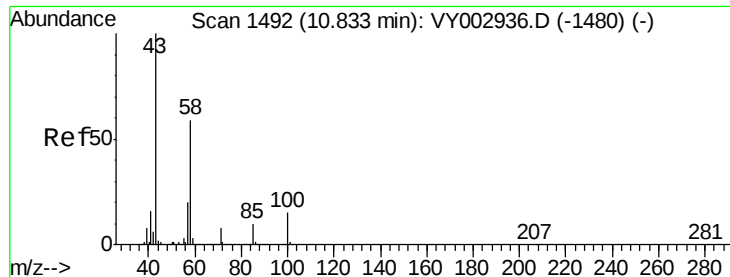
Tgt Ion: 63 Resp: 181384

Ion Ratio Lower Upper

63 100

106 31.4 25.6 38.4





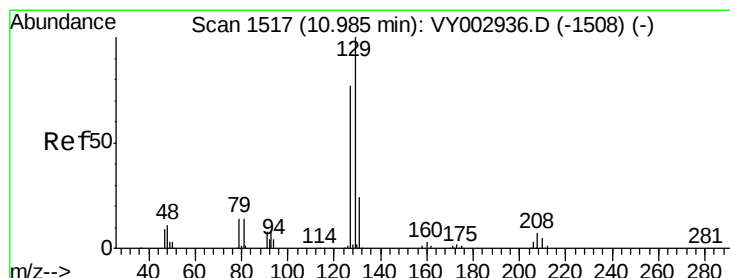
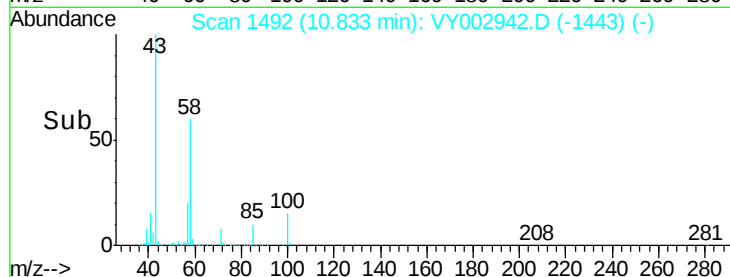
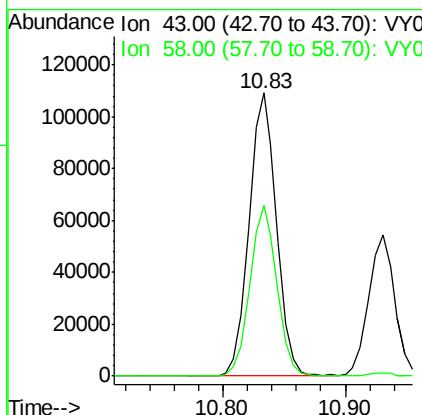
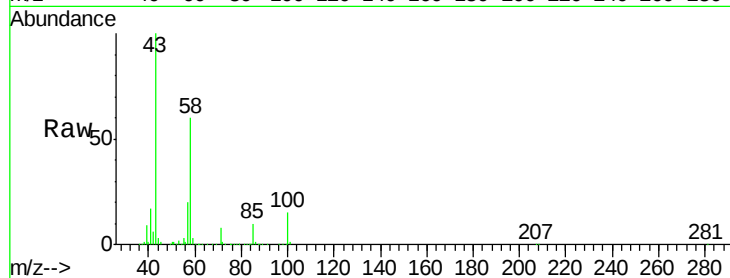
#59
2-Hexanone
Concen: 97.629 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion: 43 Resp: 170069
Ion Ratio Lower Upper
43 100
58 59.3 29.7 89.1

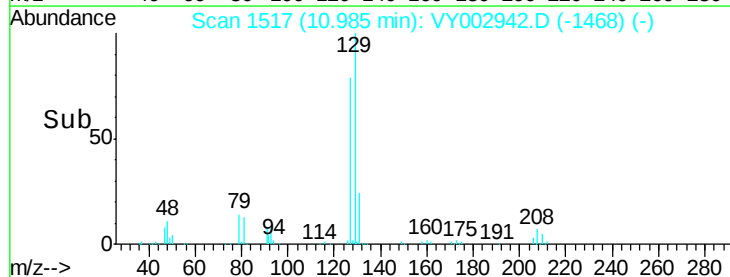
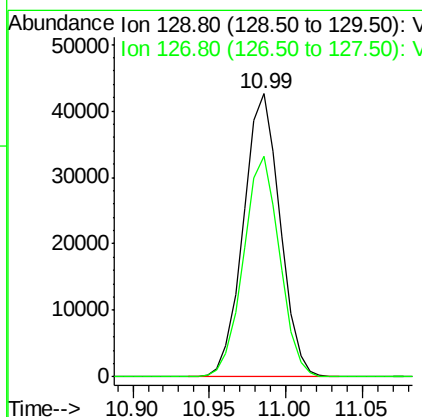
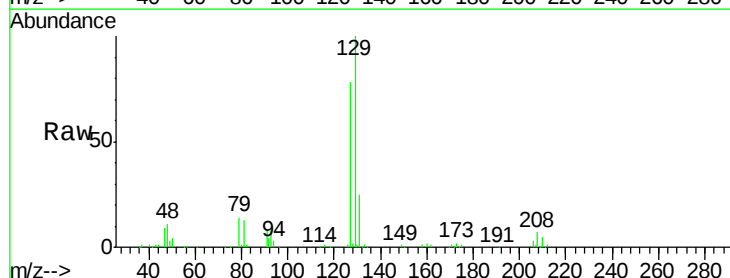
Manual Integrations
APPROVED

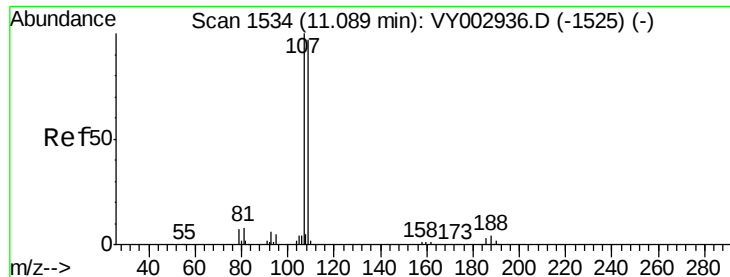
MMDadoda
6/22/2020 2:06:41 PM



#60
Dibromochloromethane
Concen: 19.237 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion: 129 Resp: 70724
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.347 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion:107 Resp: 55333

Ion Ratio Lower Upper

107 100

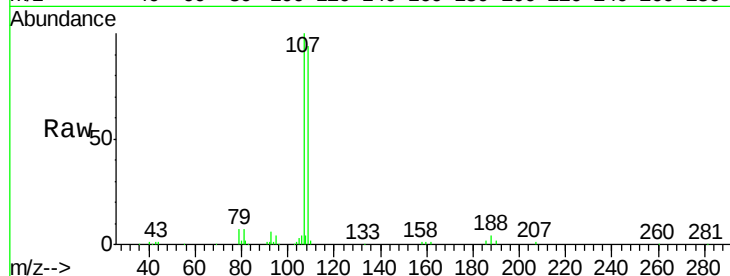
109 92.9 76.6 114.8

Manual Integrations

APPROVED

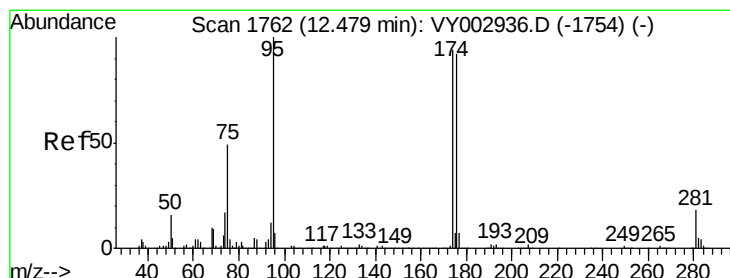
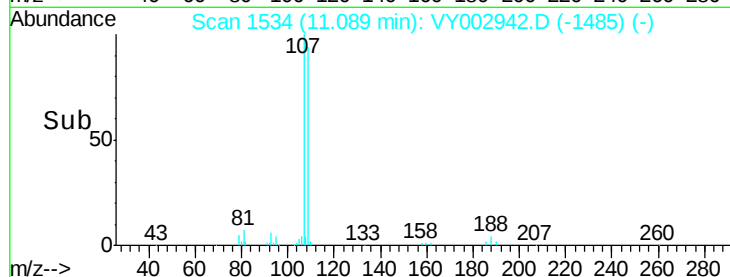
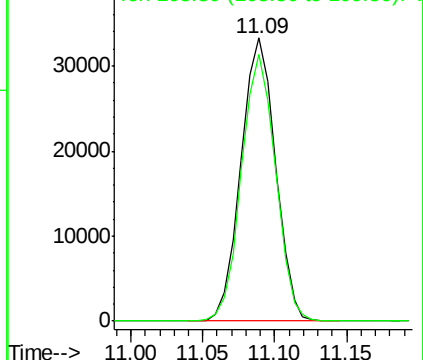
MMDadoda

6/22/2020 2:06:41 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.493 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

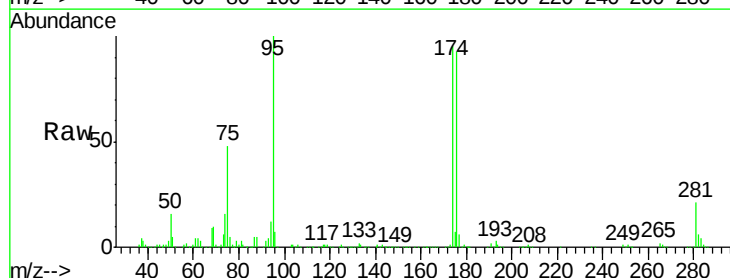
Tgt Ion: 95 Resp: 200337

Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.2

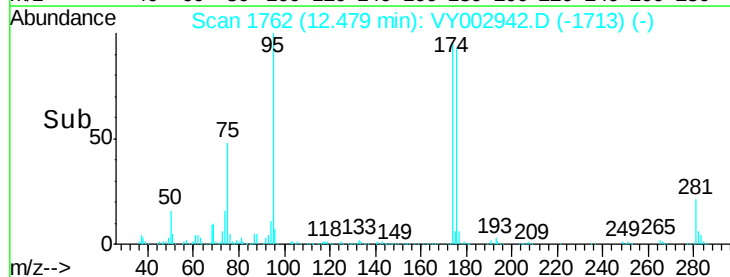
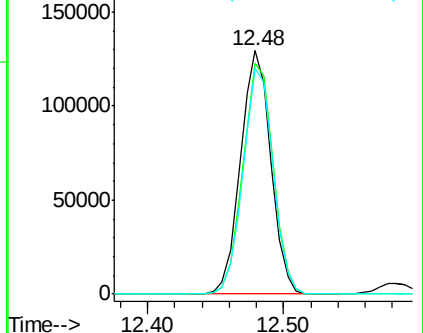
176 92.8 0.0 186.0

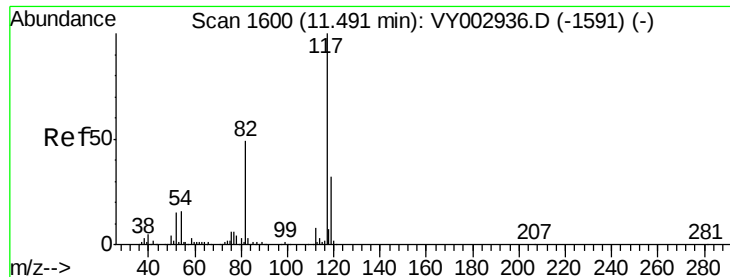


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





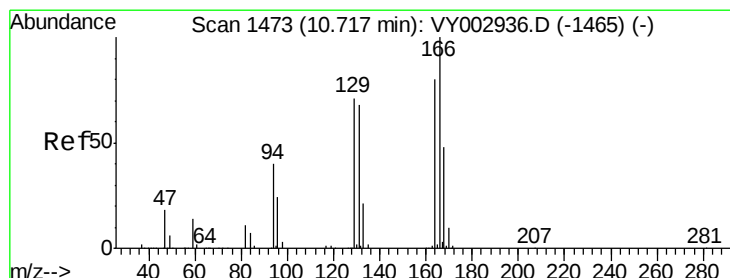
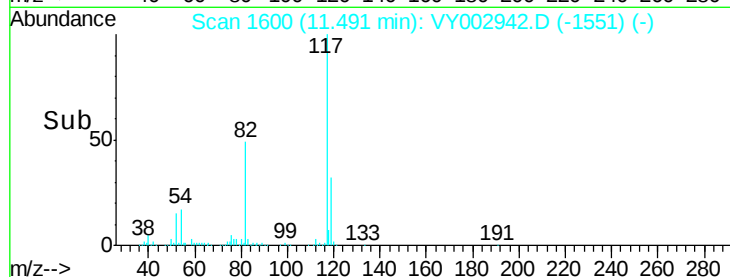
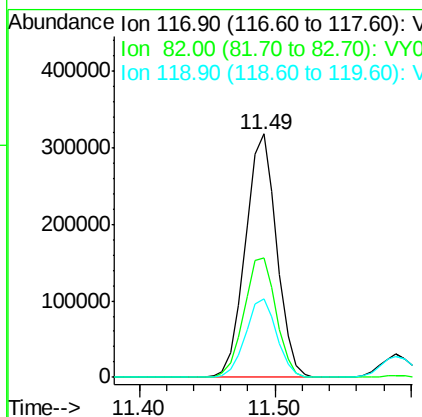
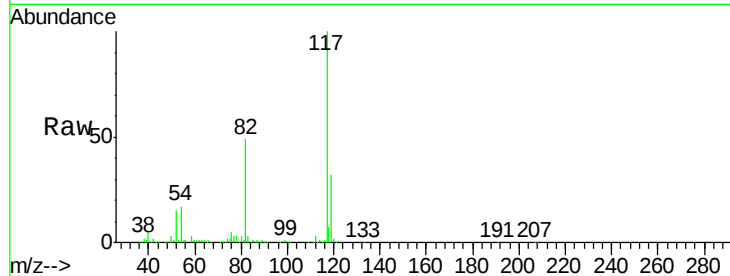
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	510217		
82	49.3		39.4	59.0
119	32.0		25.4	38.0

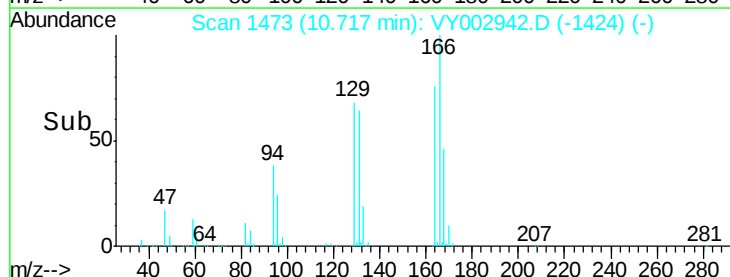
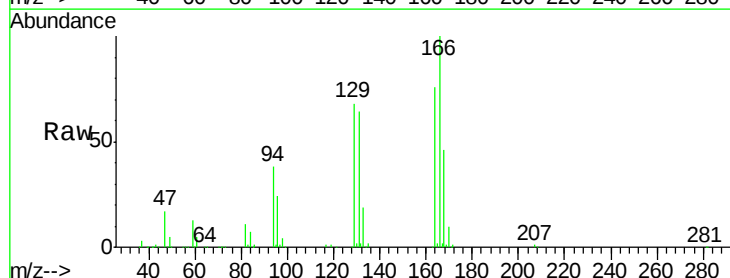
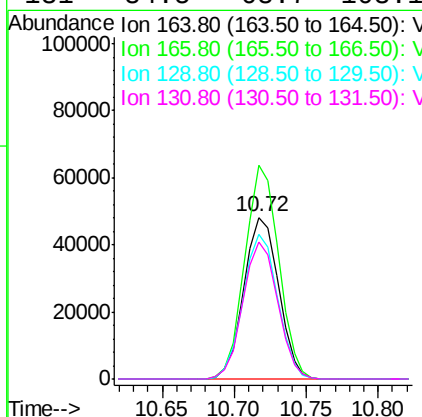
Manual Integrations
APPROVED

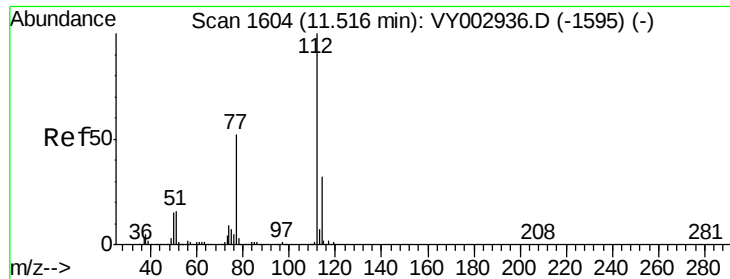
MMDadoda
6/22/2020 2:06:41 PM



#64
Tetrachloroethene
Concen: 18.954 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80584		
166	132.1		100.5	150.7
129	89.3		71.1	106.7
131	84.5		68.7	103.1





#65

Chlorobenzene

Concen: 19.485 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion:112 Resp: 188186

Ion Ratio Lower Upper

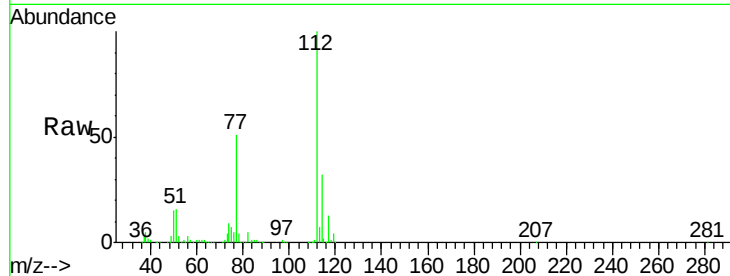
112 100

114 32.3 26.0 39.0

Manual Integrations
APPROVED

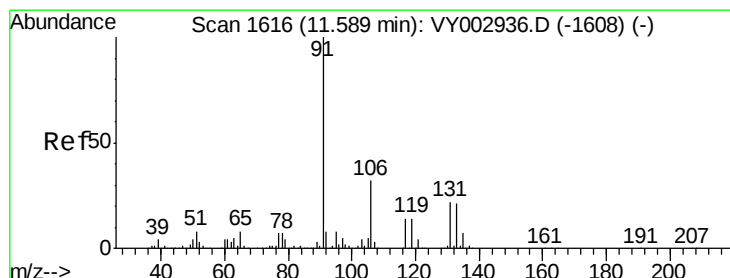
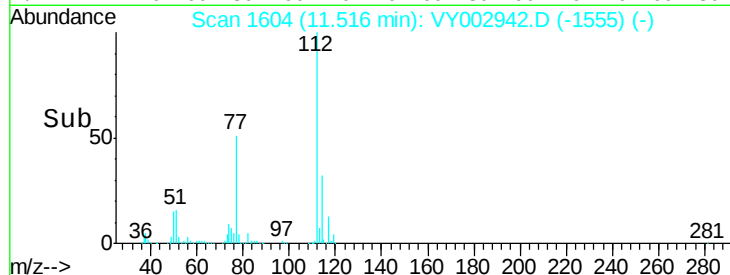
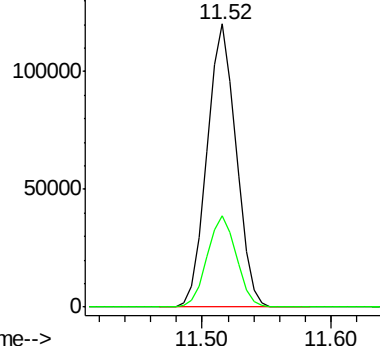
MMDadoda

6/22/2020 2:06:41 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.736 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

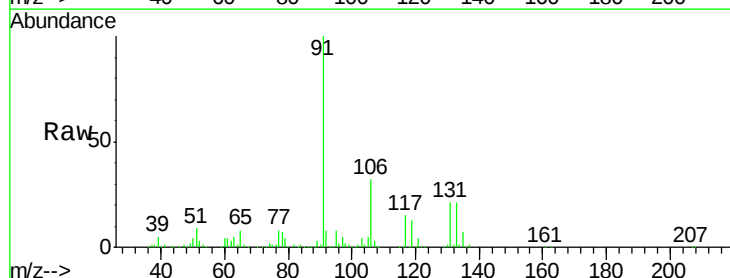
Tgt Ion:131 Resp: 72048

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

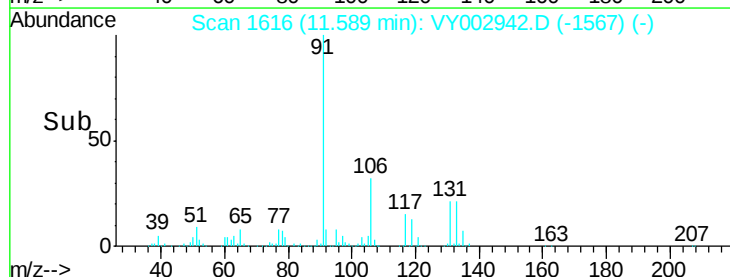
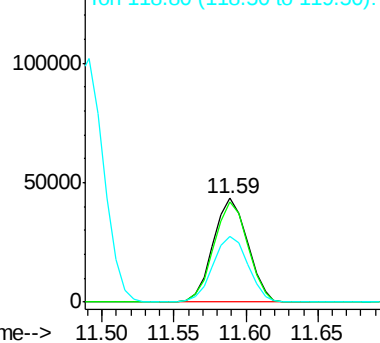
119 63.9 31.5 94.5

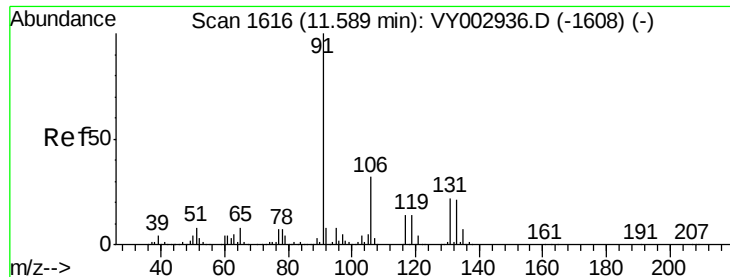


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





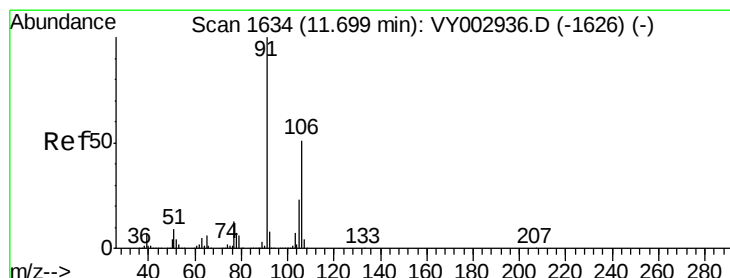
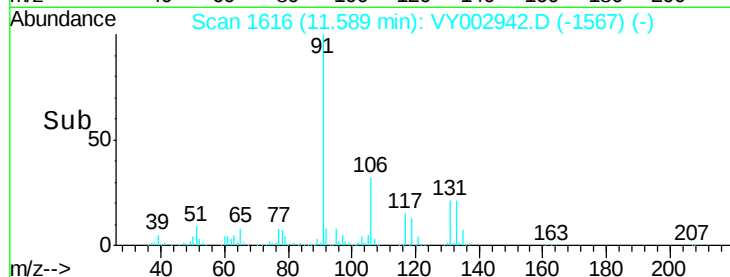
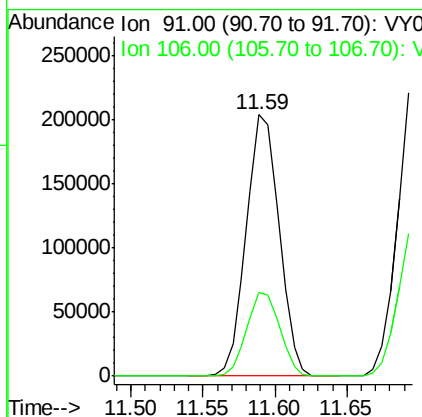
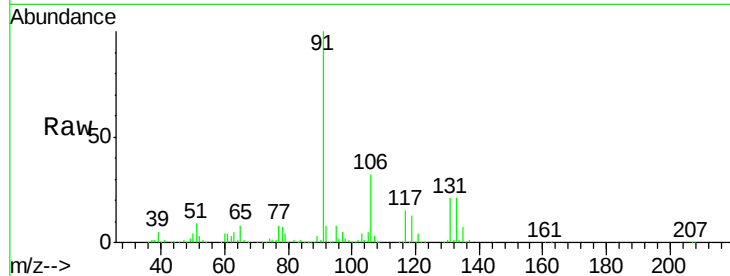
#67
Ethyl Benzene
Concen: 19.421 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.8	38.8

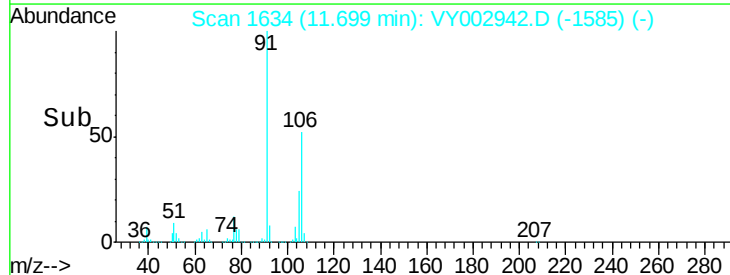
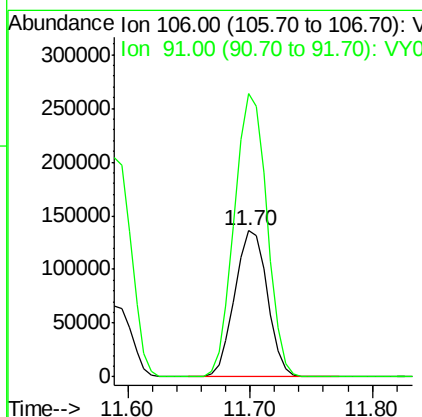
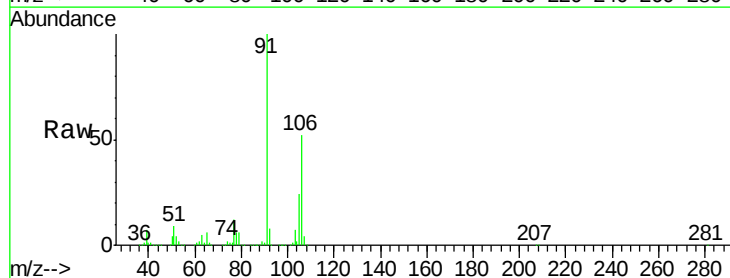
Manual Integrations
APPROVED

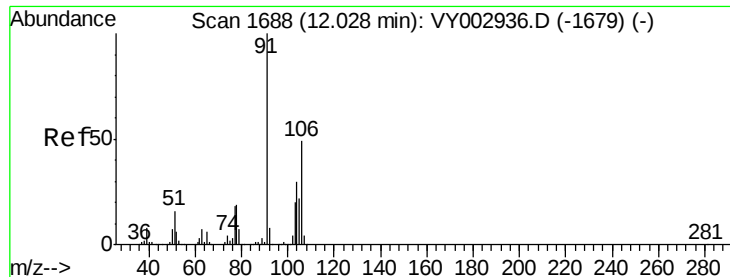
MMDadoda
6/22/2020 2:06:41 PM



#68
m/p-Xylenes
Concen: 38.881 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.4	155.9	233.9





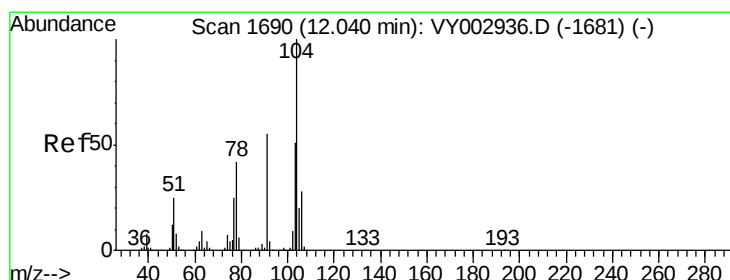
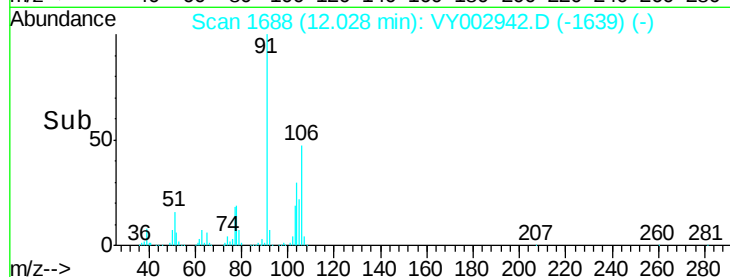
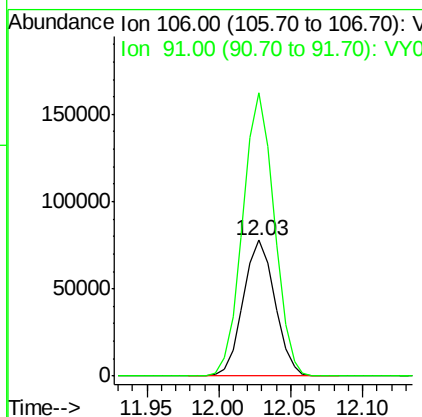
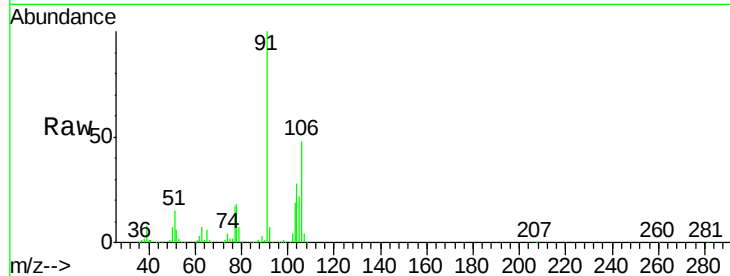
#69
o-Xylene
Concen: 19.493 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.7	102.1	306.1

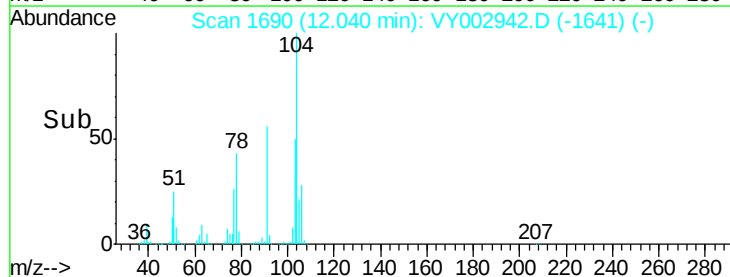
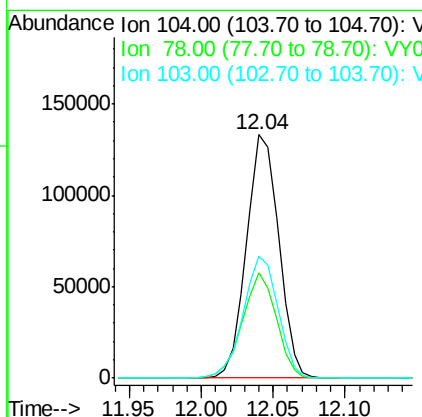
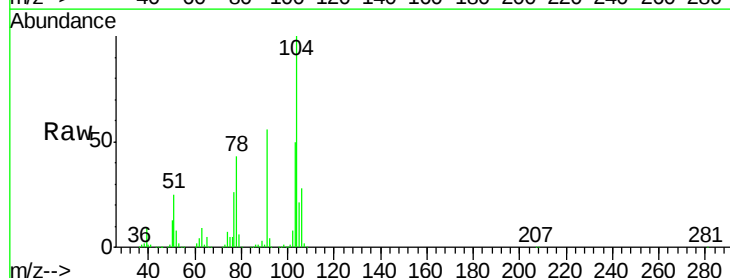
Manual Integrations
APPROVED

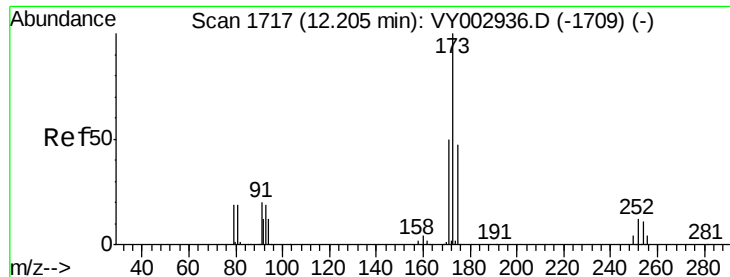
MMDadoda
6/22/2020 2:06:41 PM



#70
Styrene
Concen: 19.602 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.6	36.9	55.3
103	53.8	43.7	65.5





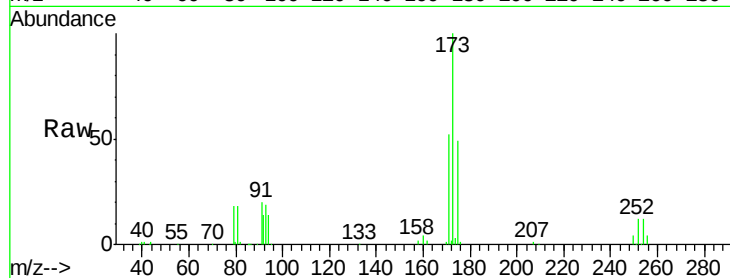
#71
Bromoform
Concen: 19.678 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

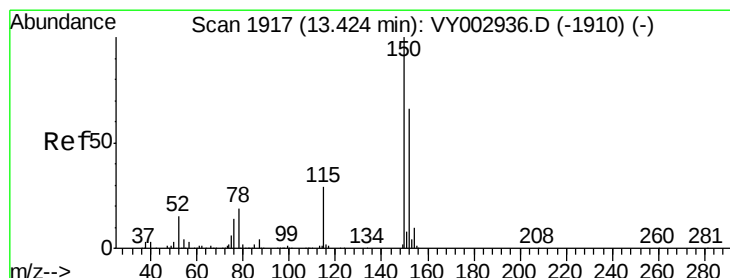
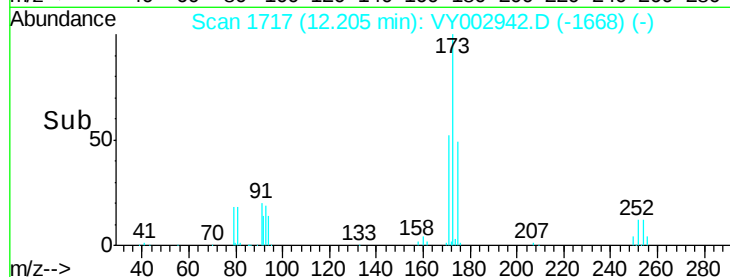
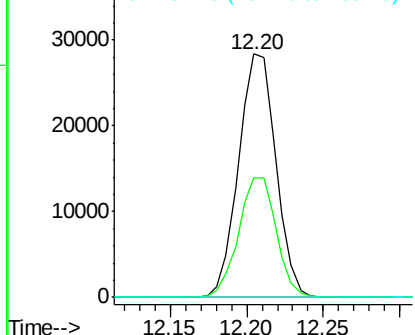
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.9	71.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM

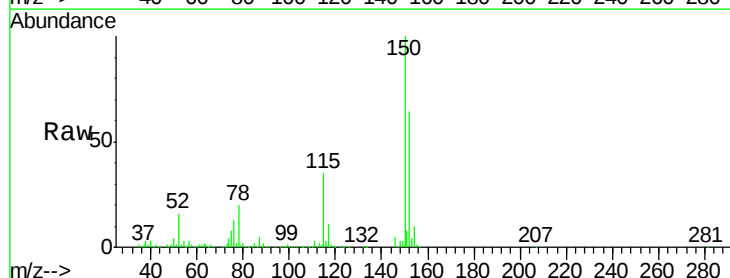


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

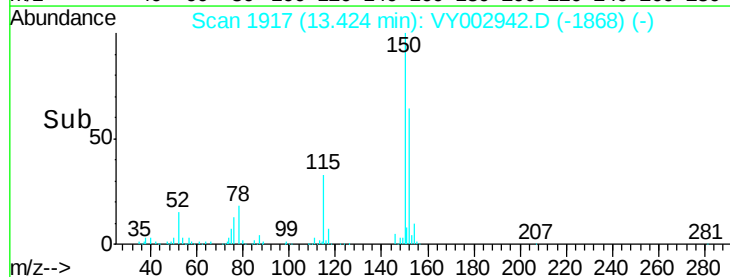
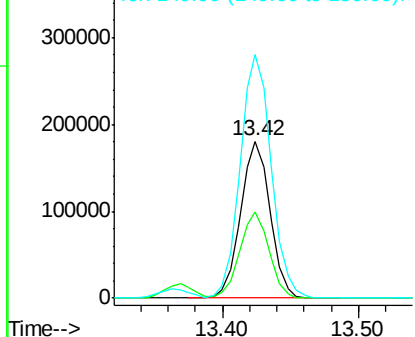


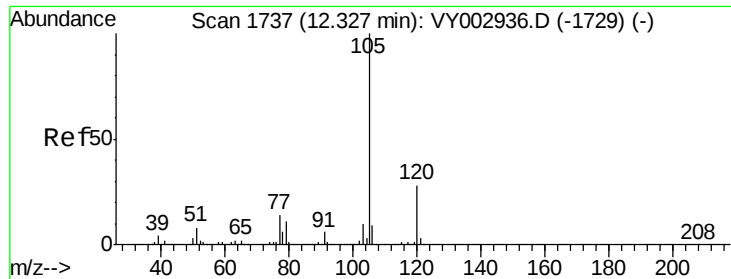
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.9	80.6
150	163.7	0.0	341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.535 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 105 Resp: 326400

Ion Ratio Lower Upper

105 100

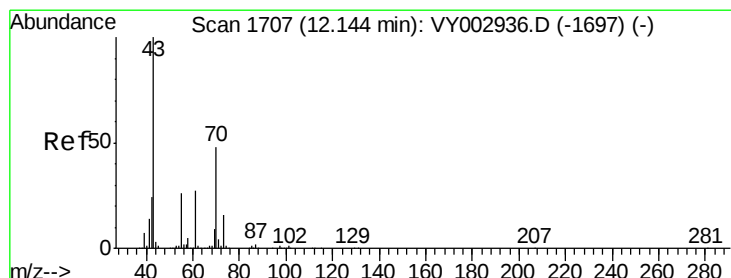
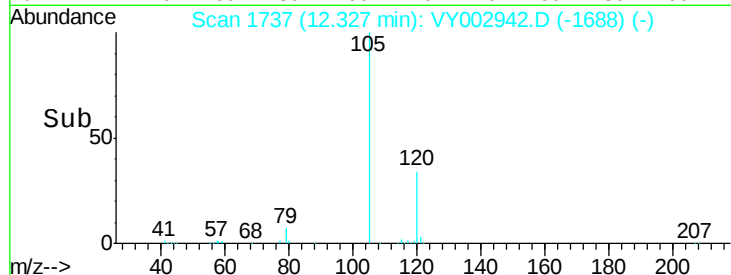
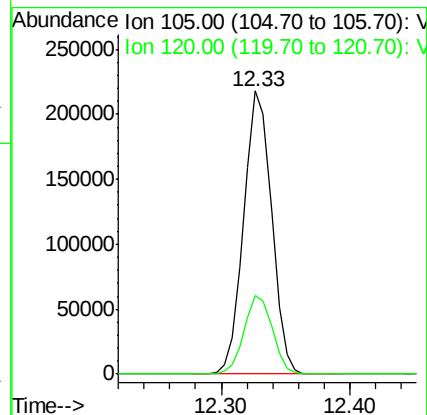
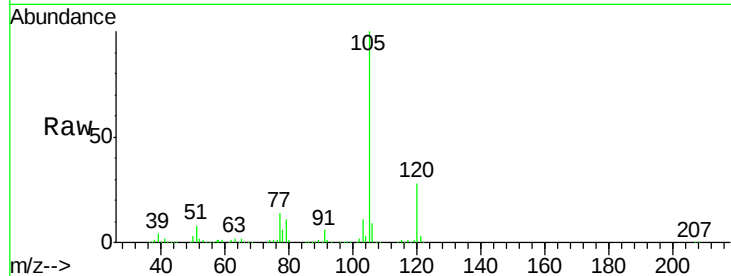
120 28.0 14.0 41.9

Manual Integrations

APPROVED

MMDadoda

6/22/2020 2:06:41 PM



#74

N-ethyl acetate

Concen: 19.554 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion: 43 Resp: 84139

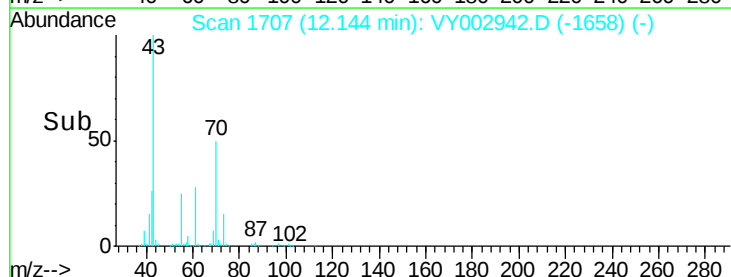
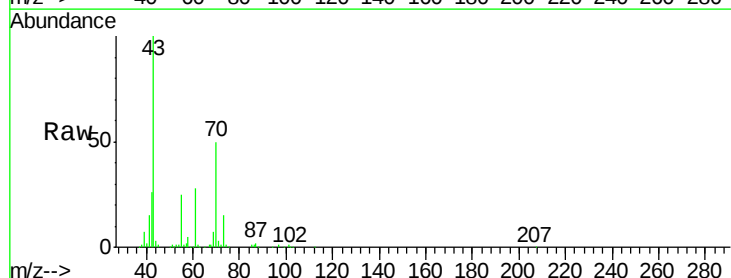
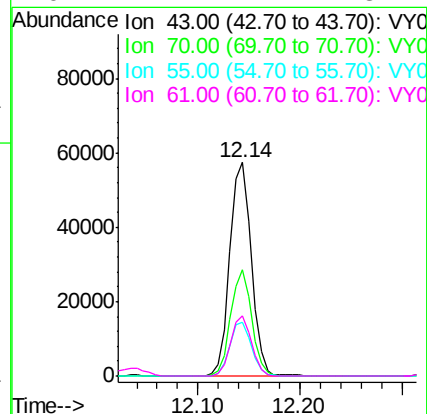
Ion Ratio Lower Upper

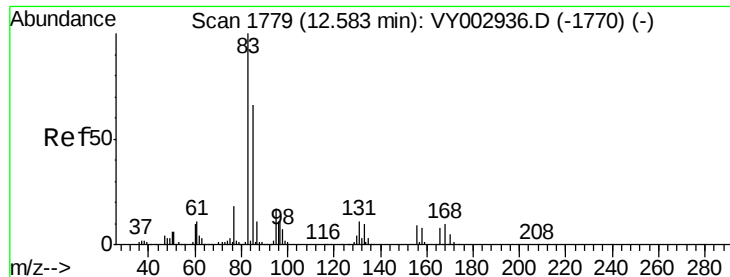
43 100

70 48.2 38.0 57.0

55 25.3 20.3 30.5

61 27.2 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.562 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

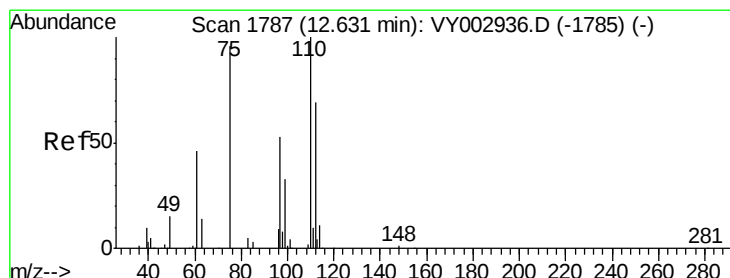
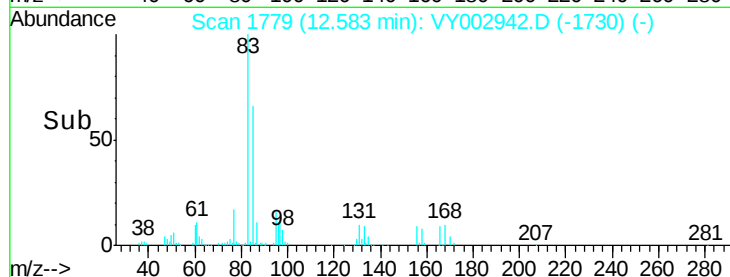
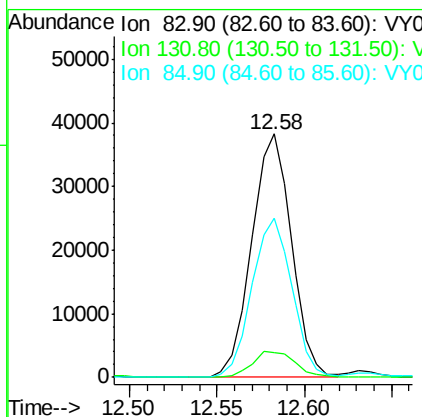
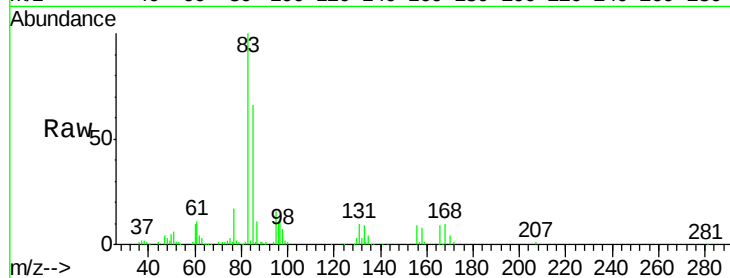
ClientSampleId :

VY0619SBS01

Tot Ion:	83	Resp:	60598
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.9	17.7
85	65.7	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#76

1,2,3-Trichloropropane

Concen: 18.934 ug/l m

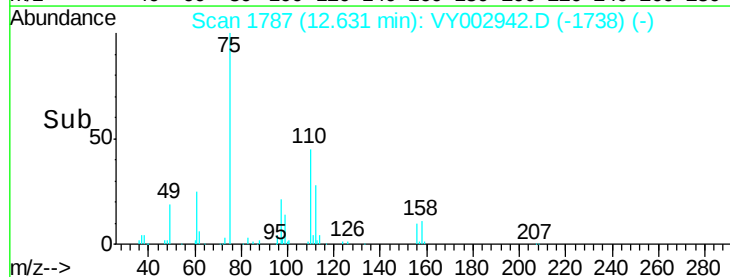
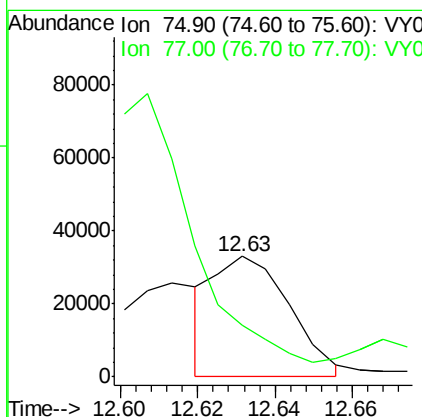
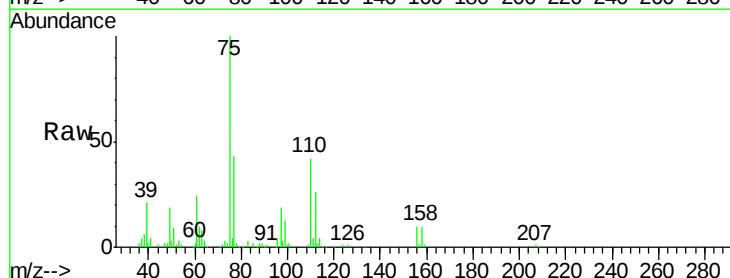
RT: 12.63 min Scan# 1787

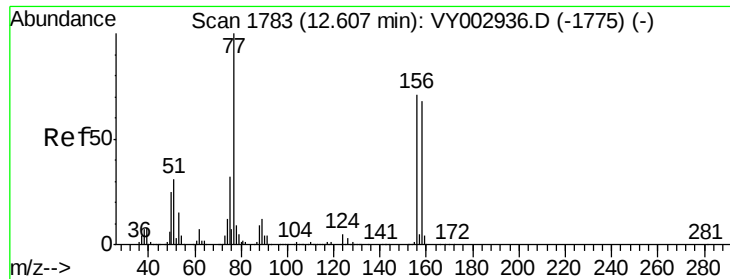
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	75	Resp:	44953
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.400 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

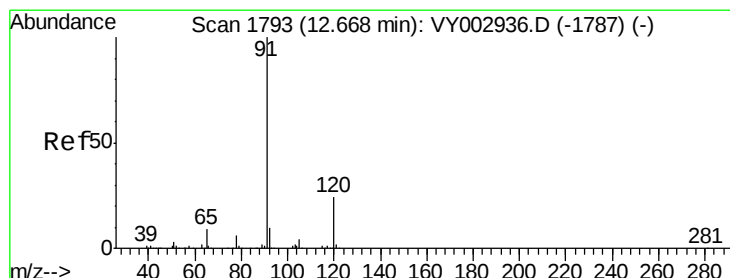
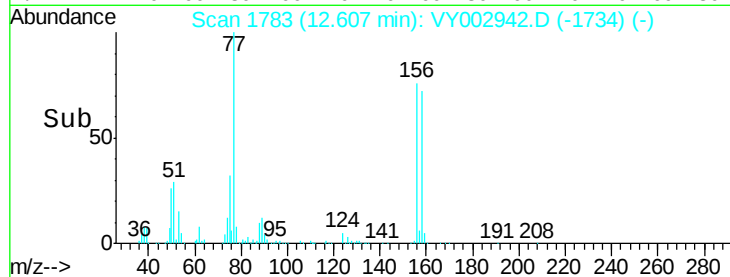
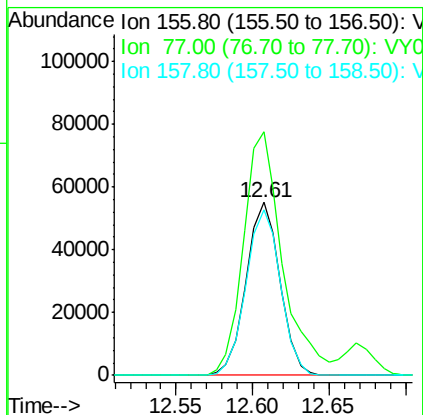
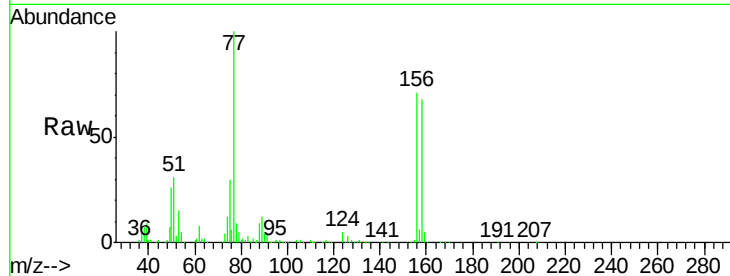
ClientSampleId :

VY0619SBS01

Tot Ion:	156	Resp:	84867
Ion Ratio	Lower	Upper	
156	100		
77	162.1	80.5	241.5
158	97.3	48.2	144.6

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#78

n-propylbenzene

Concen: 19.583 ug/l

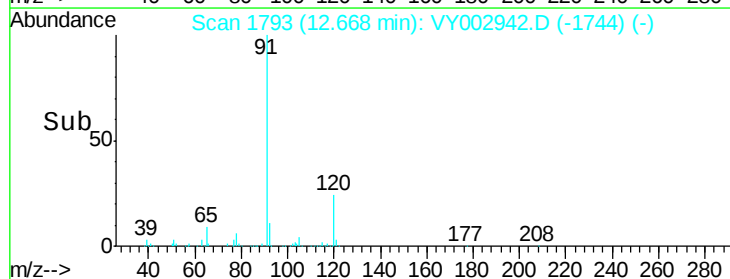
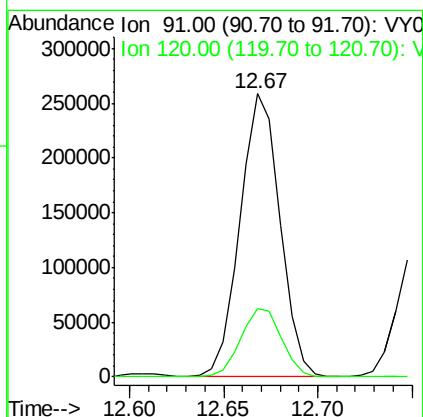
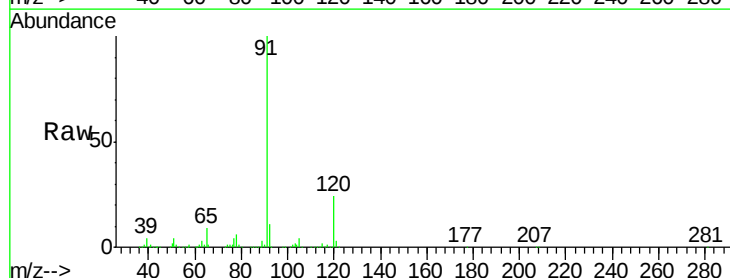
RT: 12.67 min Scan# 1793

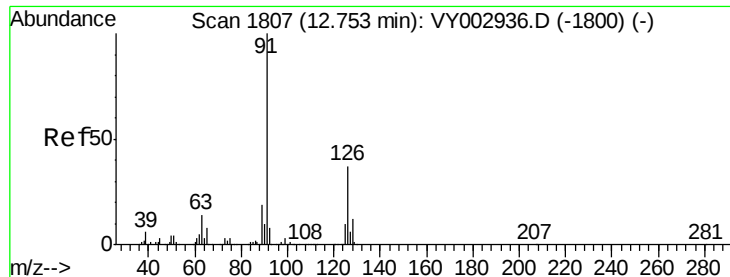
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	91	Resp:	379597
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.3	36.9





#79

2-Chlorotoluene

Concen: 19.359 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBS01

Tot Ion: 91 Resp: 210187

Ion Ratio Lower Upper

91 100

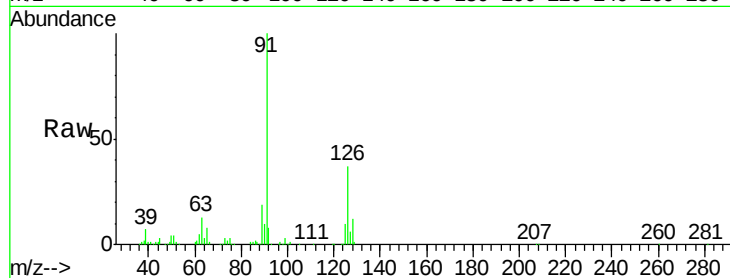
126 37.8 18.5 55.5

Manual Integrations

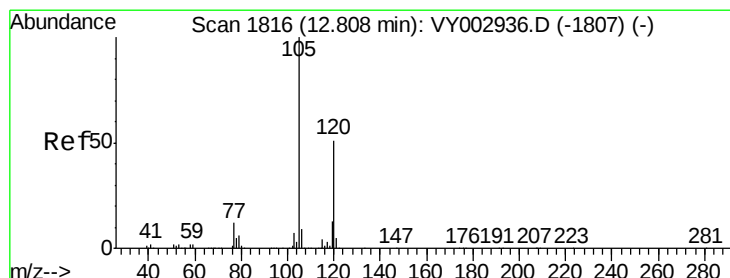
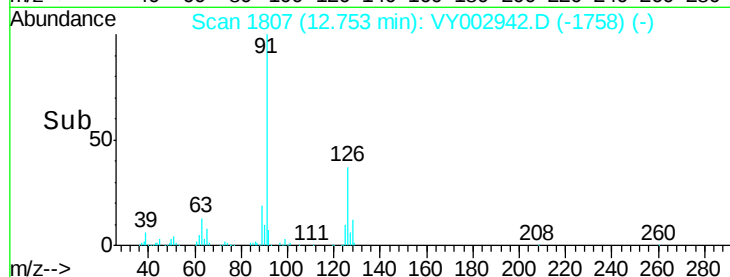
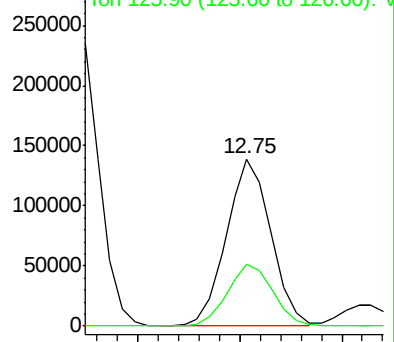
APPROVED

MMDadoda

6/22/2020 2:06:41 PM



Abundance Ion 91.00 (90.70 to 91.70): VY002936.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.692 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY002942.D

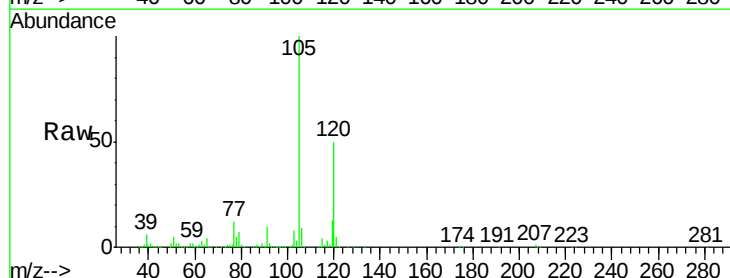
Acq: 19 Jun 2020 17:00

Tgt Ion: 105 Resp: 274281

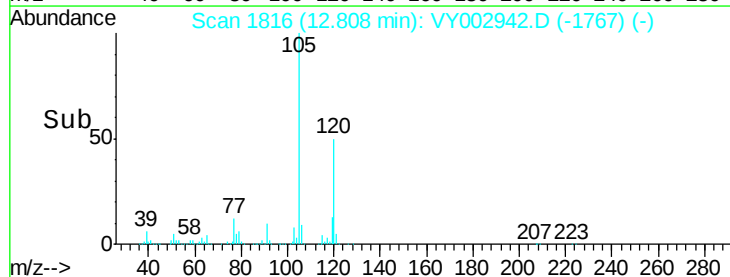
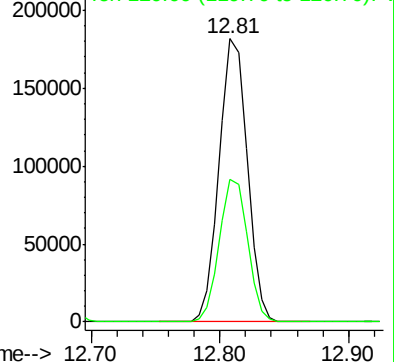
Ion Ratio Lower Upper

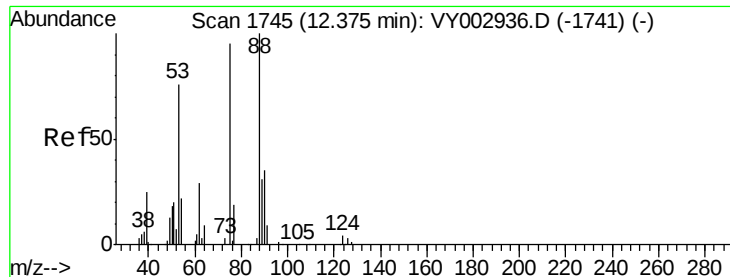
105 100

120 50.7 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VY002936.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.669 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Instrument :

MSVOA_Y

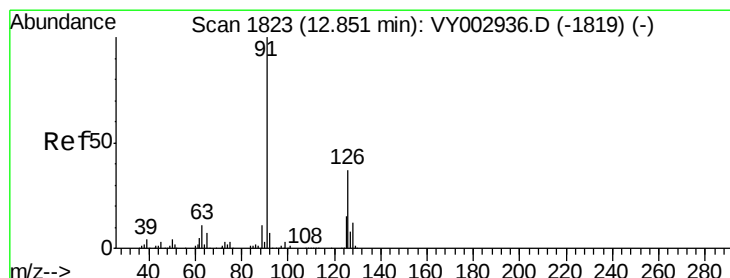
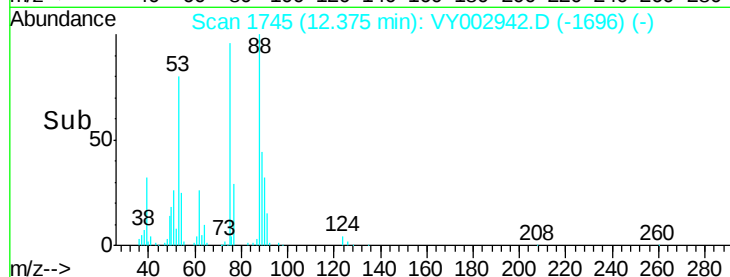
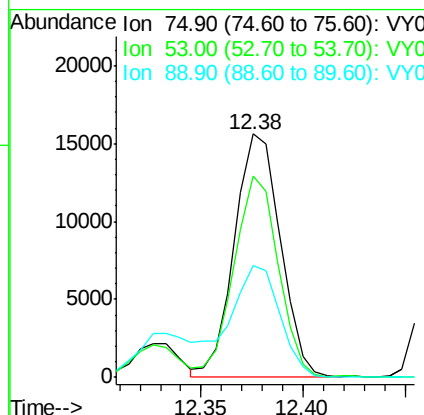
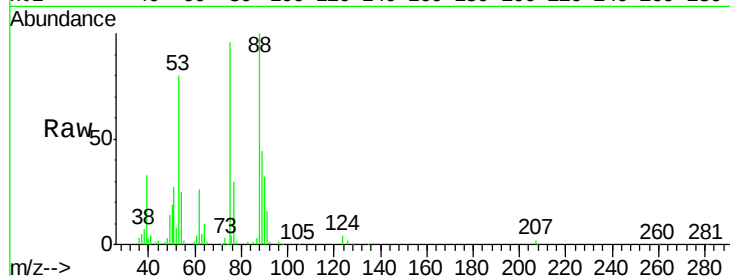
ClientSampleId :

VY0619SBS01

Tot Ion:	75	Resp:	24460
Ion	Ratio	Lower	Upper
75	100		
53	80.0	65.1	97.7
89	48.7	38.4	57.6

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#82

4-Chlorotoluene

Concen: 19.410 ug/l

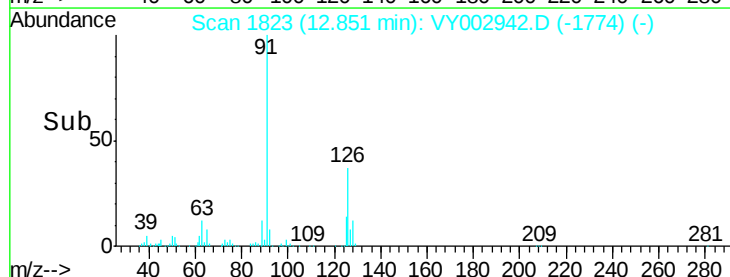
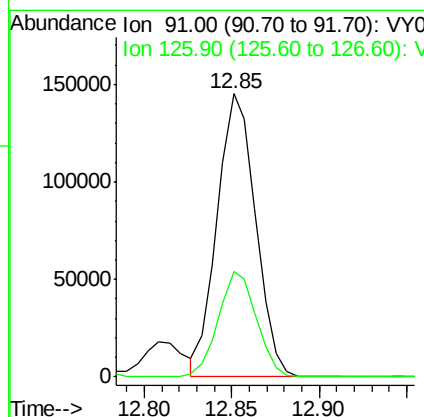
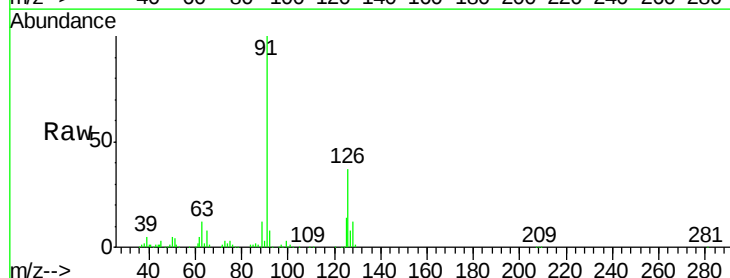
RT: 12.85 min Scan# 1823

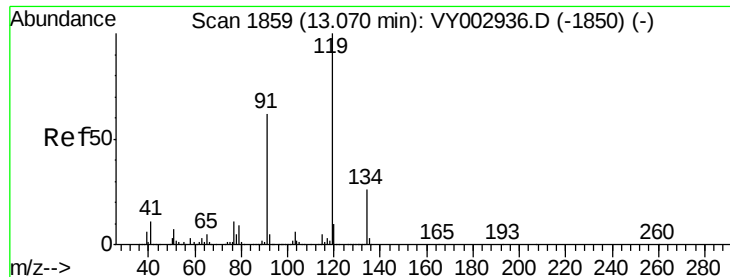
Delta R.T. -0.00 min

Lab File: VY002942.D

Acq: 19 Jun 2020 17:00

Tgt Ion:	91	Resp:	221619
Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.6	55.8





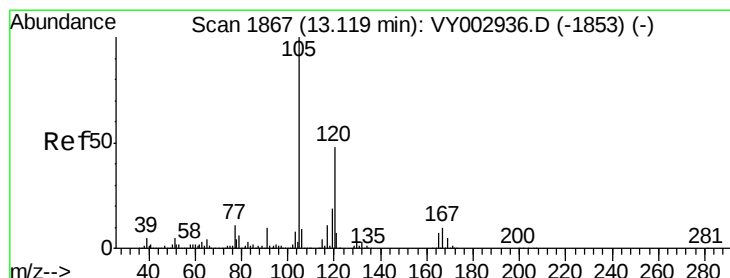
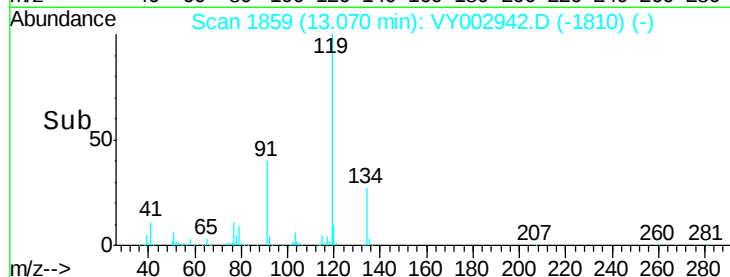
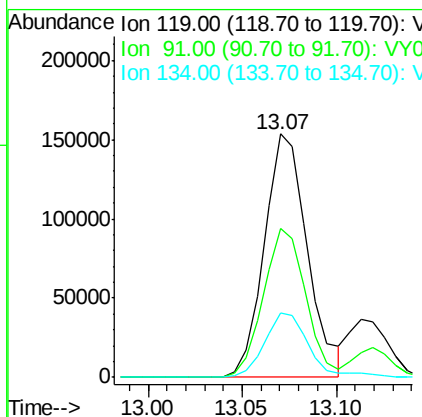
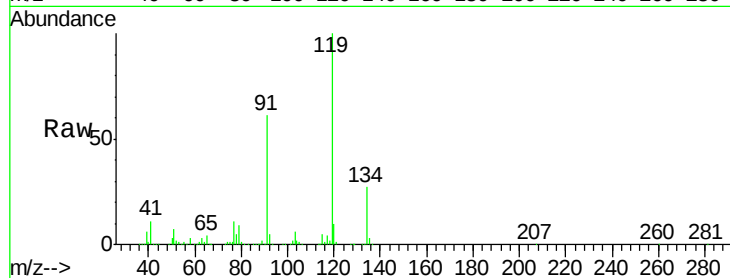
#83
tert-Butylbenzene
Concen: 19.558 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	29.9	89.7
134	27.2	13.3	39.8

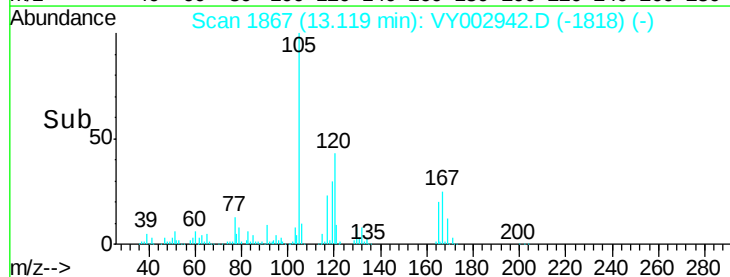
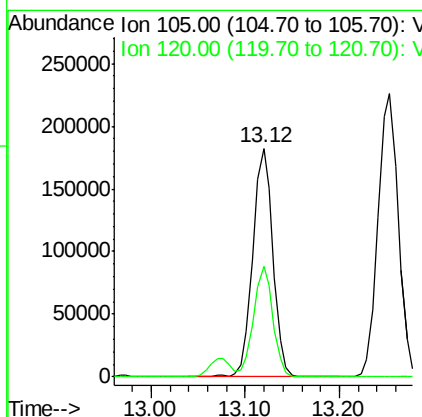
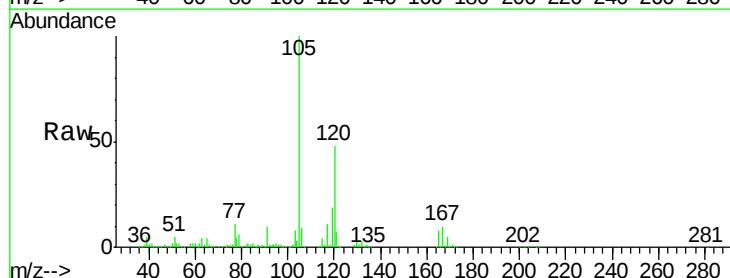
Manual Integrations
APPROVED

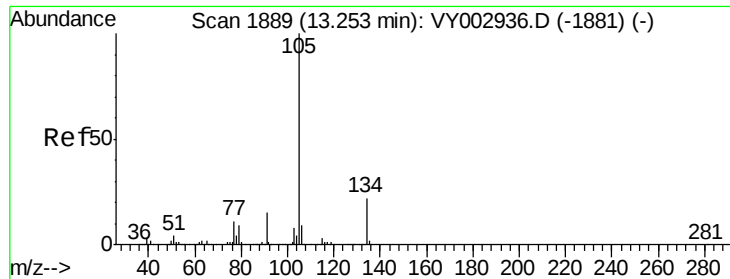
MMDadoda
6/22/2020 2:06:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.652 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.5	70.5





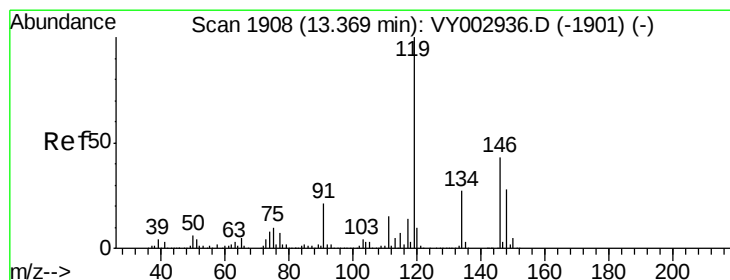
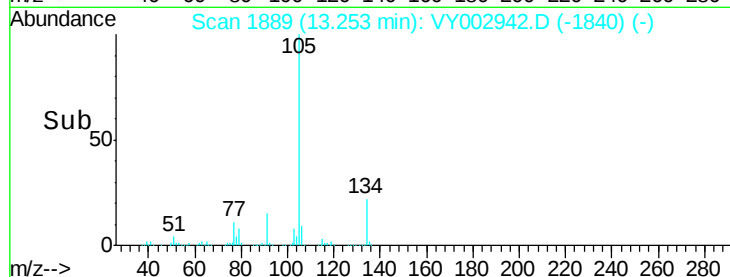
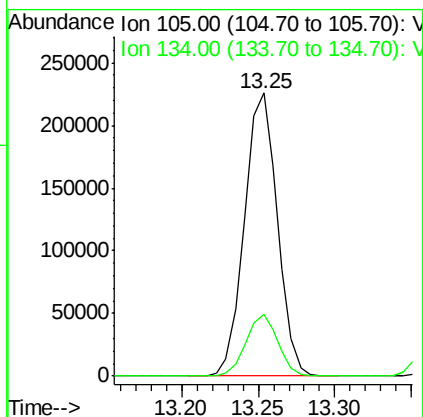
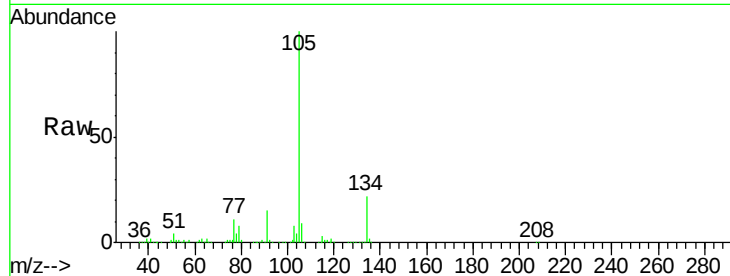
#85
 sec-Butylbenzene
 Concen: 19.855 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.8	32.4

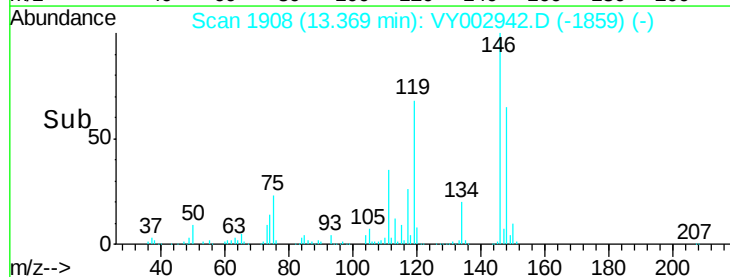
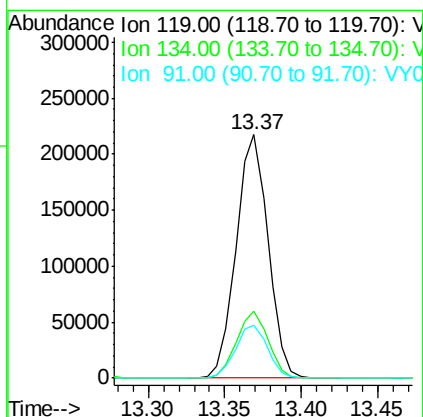
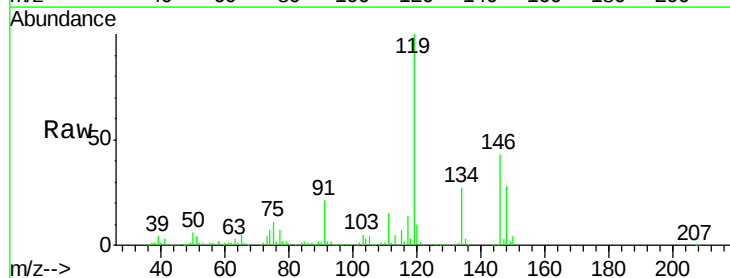
Manual Integrations
 APPROVED

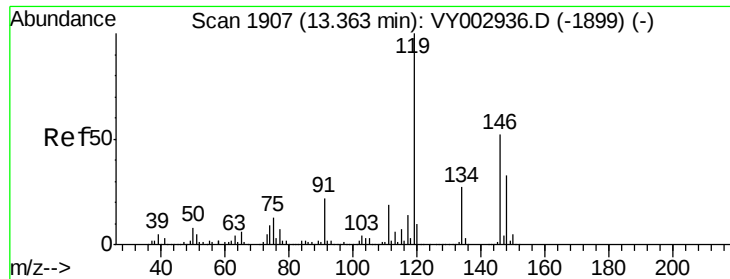
MMDadoda
 6/22/2020 2:06:41 PM



#86
 p-Isopropyltoluene
 Concen: 19.674 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.6	40.8
91	21.7	10.8	32.4





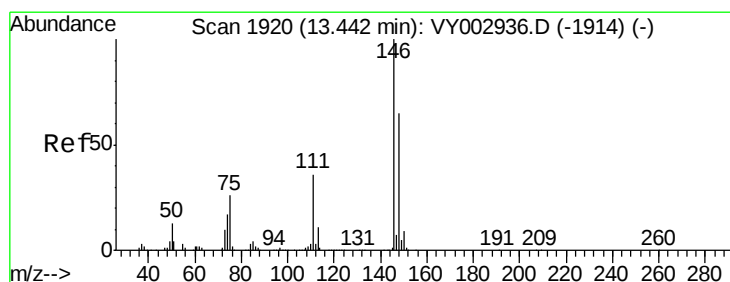
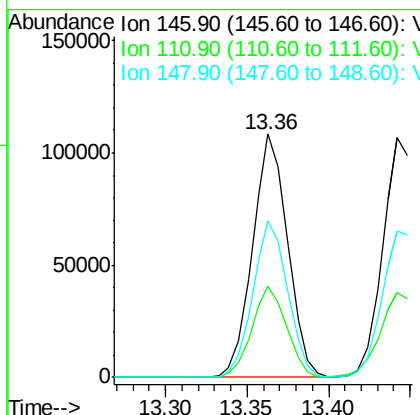
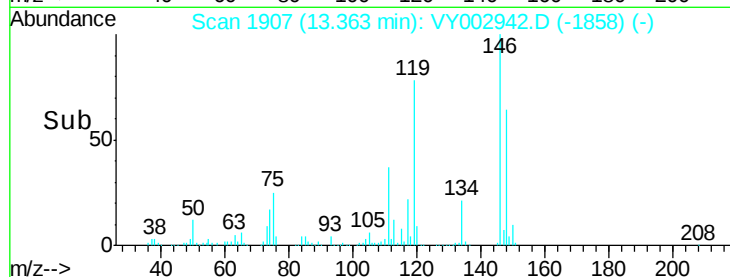
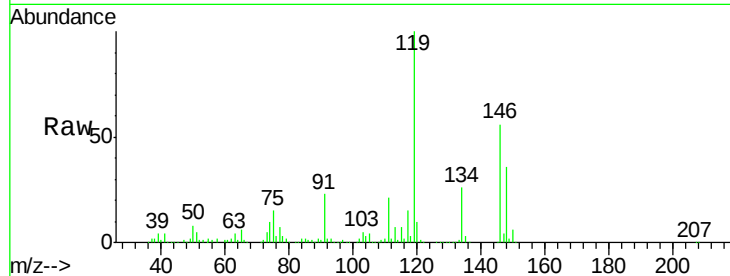
#87
 1,3-Dichlorobenzene
 Concen: 19.613 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	161719		
111	37.2	18.2	54.6	
148	64.3	31.9	95.7	

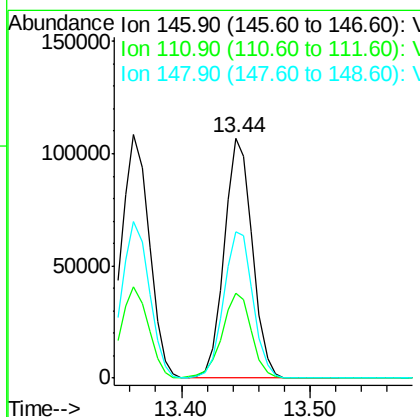
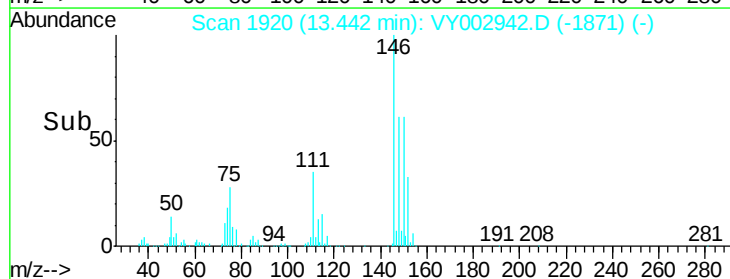
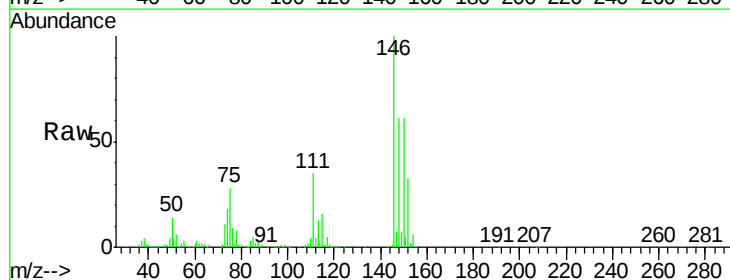
Manual Integrations
 APPROVED

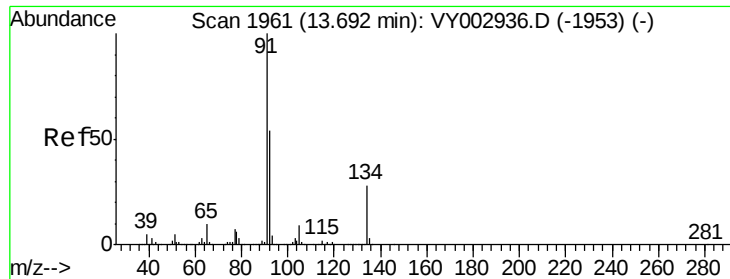
MMDadoda
 6/22/2020 2:06:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.776 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	163294		
111	37.0	17.9	53.8	
148	63.4	32.1	96.5	





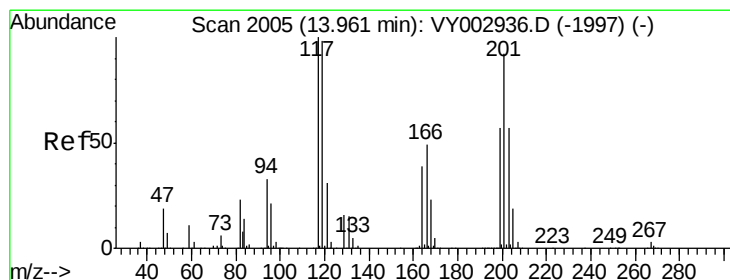
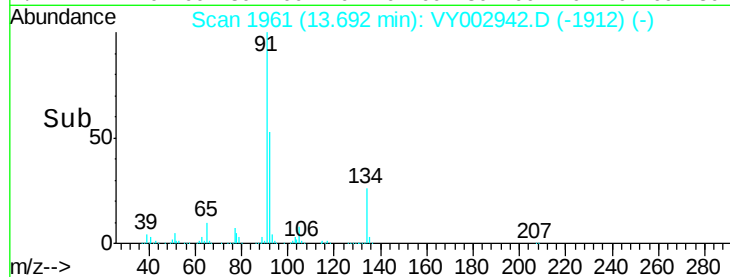
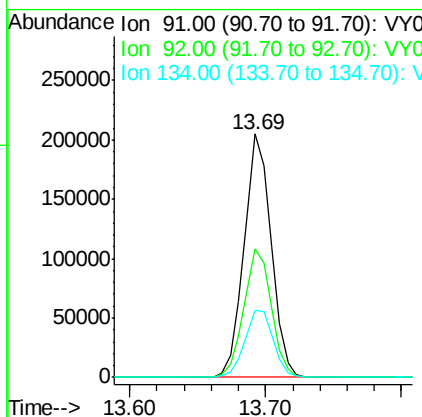
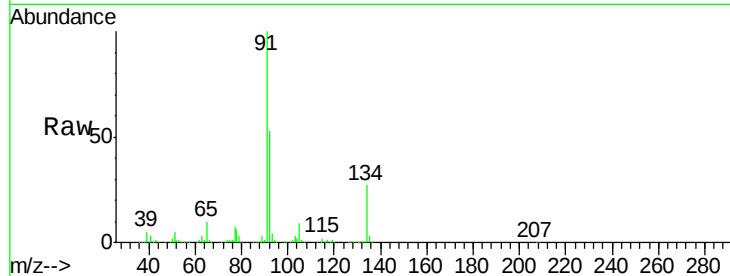
#89
n-Butylbenzene
Concen: 19.866 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	29.0	14.5	43.5

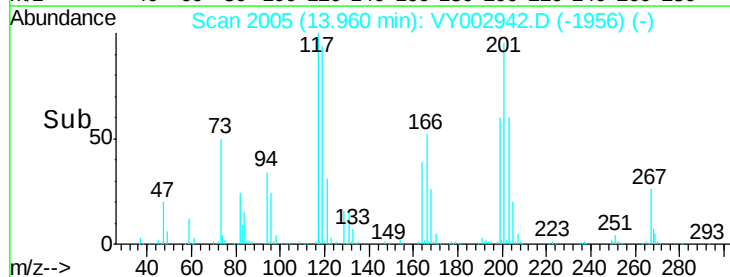
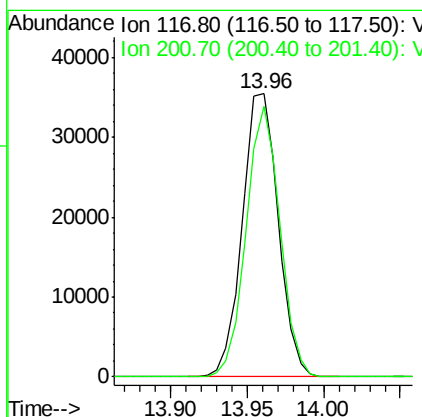
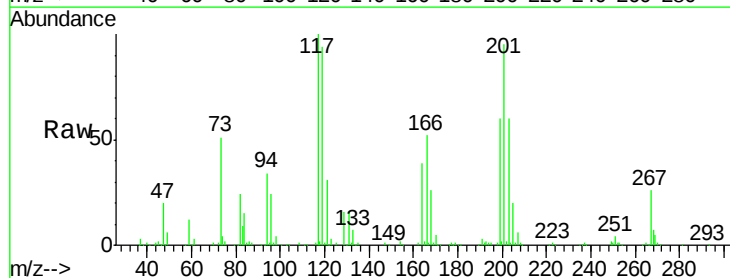
Manual Integrations
APPROVED

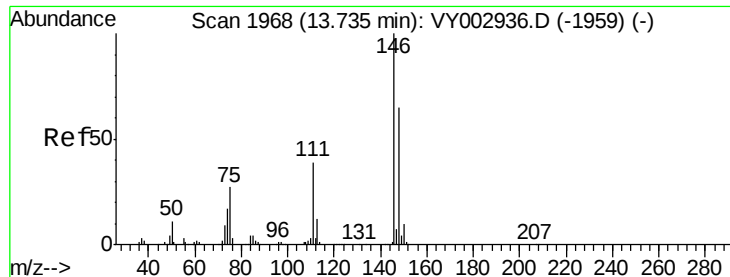
MMDadoda
6/22/2020 2:06:41 PM



#90
Hexachloroethane
Concen: 19.595 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.1	135.5





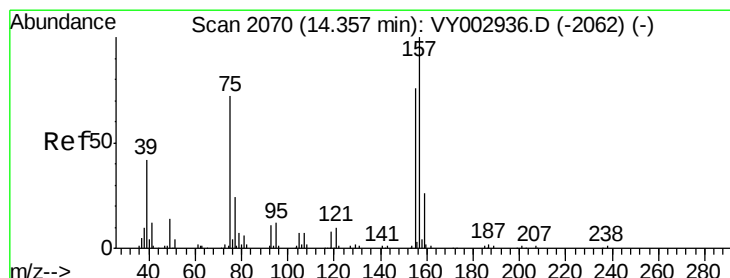
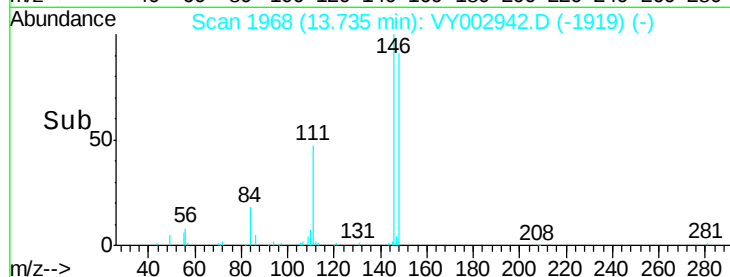
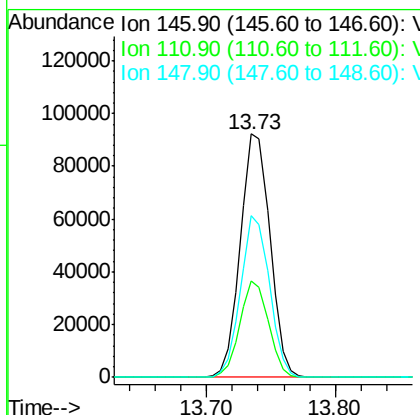
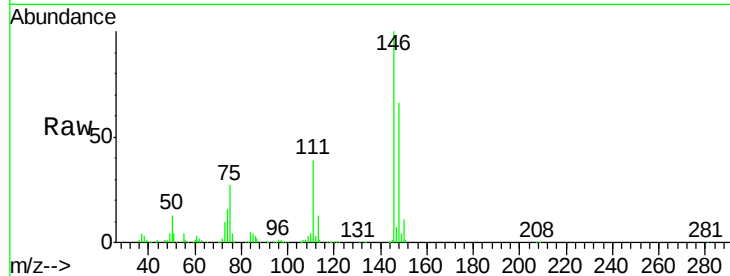
#91
 1,2-Dichlorobenzene
 Concen: 19.594 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	64.7	32.0	96.2

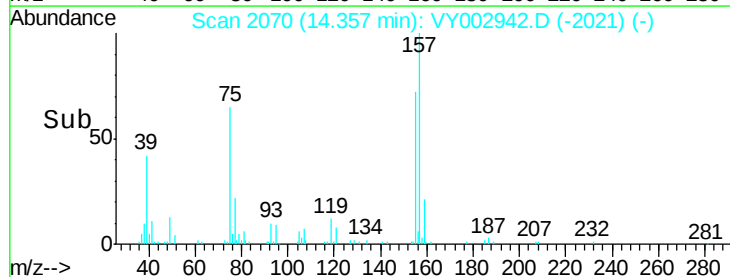
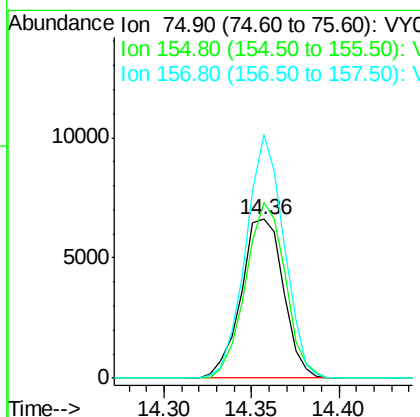
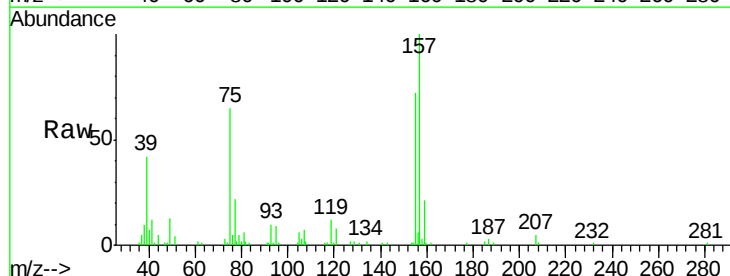
Manual Integrations
 APPROVED

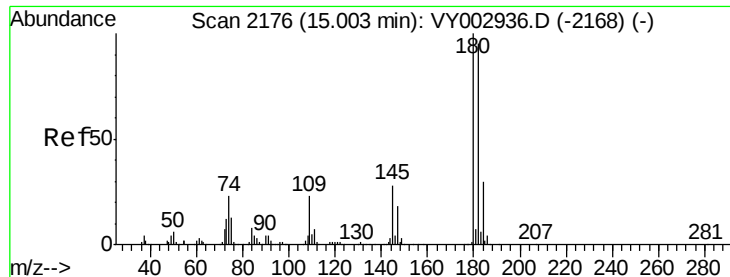
MMDadoda
 6/22/2020 2:06:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.313 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	53.1	159.4
157	136.9	69.0	206.9





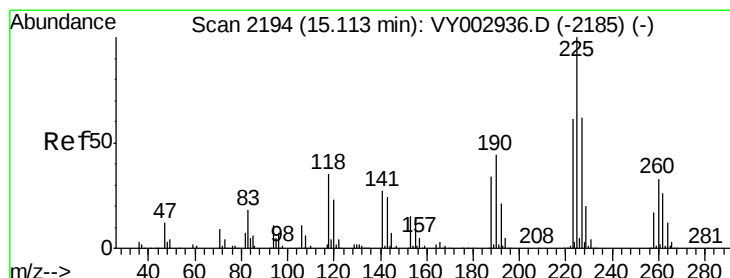
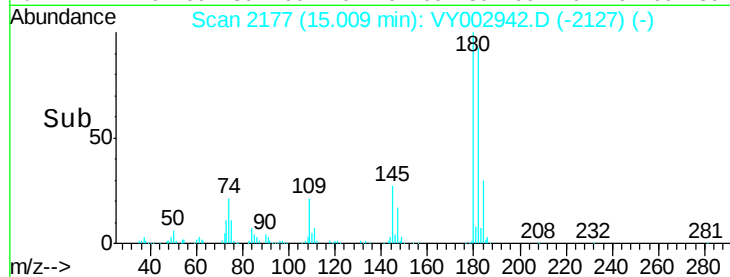
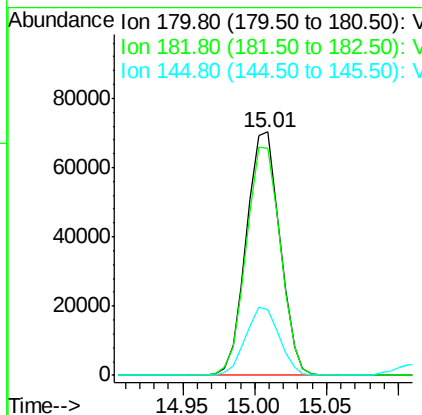
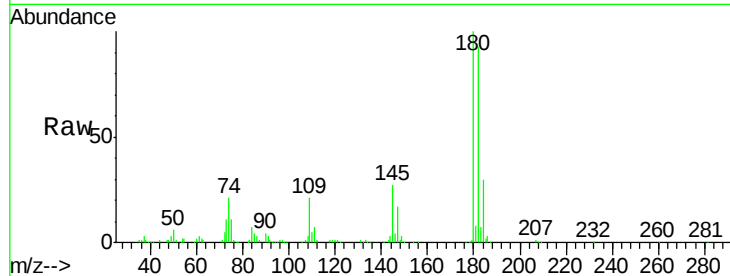
#93
 1,2,4-Trichlorobenzene
 Concen: 20.086 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113113		
182	95.3	47.9	143.6	
145	28.0	14.1	42.3	

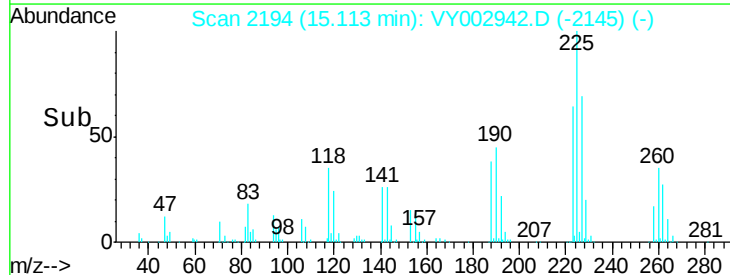
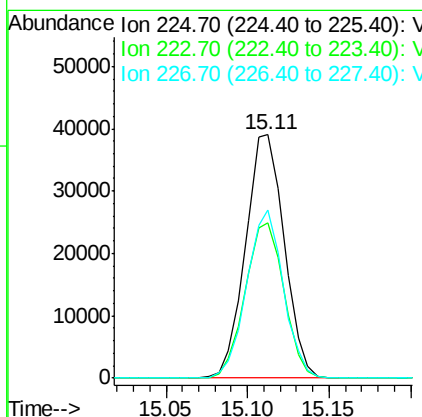
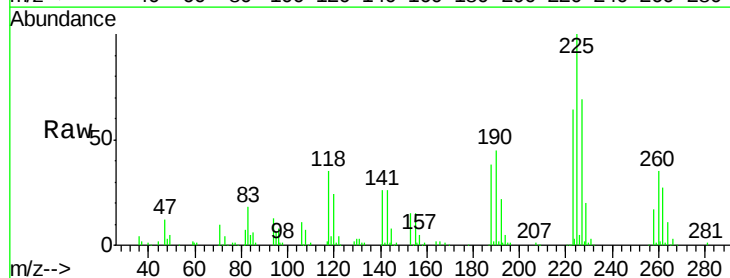
Manual Integrations
 APPROVED

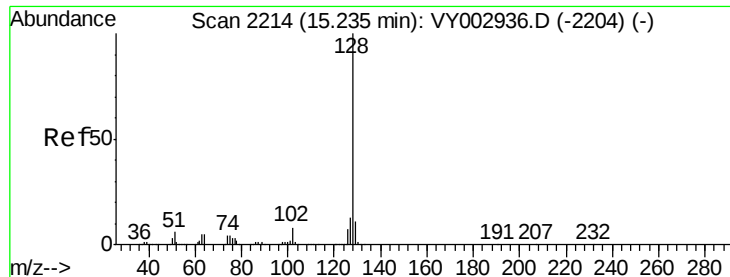
MMDadoda
 6/22/2020 2:06:41 PM



#94
 Hexachlorobutadiene
 Concen: 19.863 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002942.D
 Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64472		
223	63.9	31.3	93.8	
227	65.4	31.9	95.7	





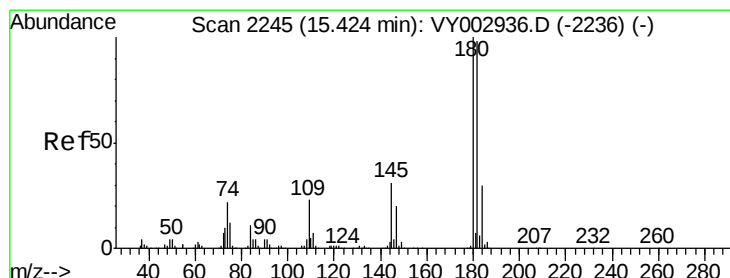
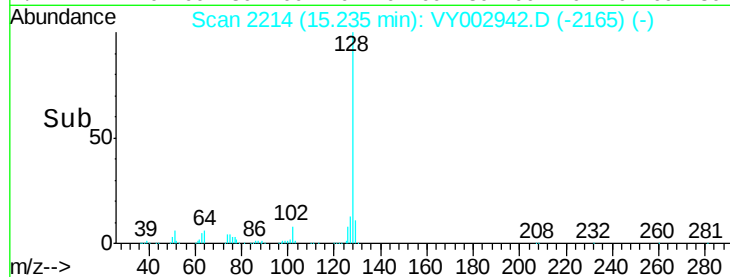
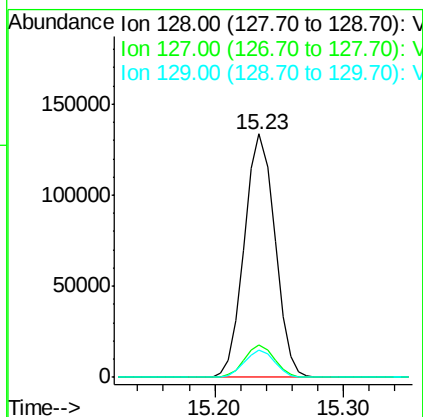
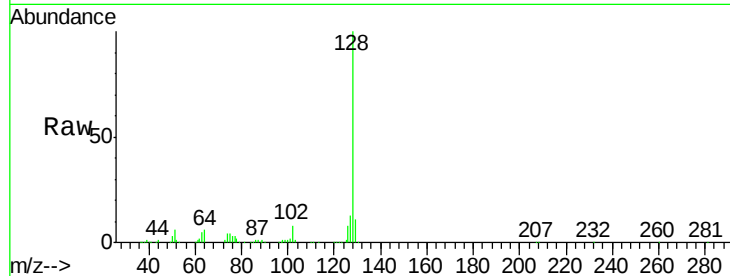
#95
Naphthalene
Concen: 19.586 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	219831		
127	12.9		10.2	15.4
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.038 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002942.D
Acq: 19 Jun 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100679		
182	95.0		47.8	143.3
145	30.3		15.0	45.0

